

That Adam. Throws Land opposite the alms to a Guld whose occupilal lone is absorbe 1/20/2/1/3 Funly Loboury 148 6 2

of litreme veficle too should be so lender as danger rupture, from the slightest cairie, where they bear very considerable prepure. Bosides: Boeshaave considers the yellow ar. buy as the actor of the next order, & so on he lowest, while each set is conical & amore. The relaidation of the blood increasing defore in a progressive series, the motion he extreme branches will be to that in the a as as the Unit to the 10th power of the num her 20: If therefore in the action the blood runs no 150 feet in aminute, it will run this the 8,000,000,000 in the extreme artery during he same time. Now, in fact, the thing is quite the reverse. - The persperd & nervous fluids move a reat rapidity. Sence says that thin fluids a little liable to obstruction; but they are

I. as hable to be impeded from the increases Diameter of the Branches, from the delatation of a branch shape like a converging fore, & from friction, as any fluids whatever. Veins. - were much better known to the Ancients their arteries. They were thought the seals of Diseases & it was reckord important to draw blood from the one nearest the part affect ed. - They are not so universal as arteries. The palmer worm has arteries but no Veins I'm a human Monster where the heart were wanting the veins were so too. - The shape is conical & the diameter of the Branches greatly exceeds that of any Trunk. - The colour is ble moderal by the people of the blood & the whole ness of the skin . The veins have not that lende - nows shruture which the arteries hopsels non muscular libres . - The inner membrane or coat is smooth as in the Arteries . The middle one

is muscular in the the (ava nearest the heart so as to produce pulsation, but in no other place. There are some flexible hid fibres follow ing the course of the Vein. - There are sometimes cellular Tubercles set the divisions of Seins. The cellular coat is thinner than that of the Arteries. Vains have little arteries & perhaps newes of their own - They are however little initable, hence they are gorged with blood after death The Phickness of the Seins is much less than that of the corresponding Arteries. The aorta is 14, 15, or 16 times thecker than the (awa. The coals of the Years are so dense that their specific weight is greater than that of the Arte ries, as 26 to 25 or thereabout. - The density the Yeuns however does not increase with as that of the Anteries Joes. - Yeurs bear not so easily rupliers as arteries, because they

4 admit Distention. Immense sines ares formed. The epermalic Sein has been increased to an unch Siameter, Hales found the Jugular 8. enchind without rupline a column of water 175 feet, and the farolid which is so much thick -er was broken by 190 feet. The 8 cawar of a ram near the origin of the renal Years was broken by 176 leb. 31v. The arleng at the same place was broken by 158 lib 3 XV. hence the strength of the Year to that of the Arlery was as 1110 to 1000. at the origin of the Shaws the proportions were 1053. to 1000. The Veins of The feet are generally the changest. - Where going to a secretory organ are generally stronger than the corresponding beins - The renal Yeins are to the Arteries as 1000 to 4088 - Those of The splean as 1000 to 4336 - or 4812. - Inan old dog the slength of the (ava was to that of the aorta as 1000 to 1097. -

Yances & rupline of Jeins are much more pequient than anchoryam and regulare of The December of the Veins is greater than that of the arteries in diff proportions accord ing to the place, but it may be set down in general as being in the proportion of 9 to The number loo is much superior. There are many plexuses ex gr. on the neck, back The hand, the fugers, the inferior part of the thigh by lo w! there are no comes pronting antories. - There are also many internal pleases accompanied by few texteries - The posts of ge -neration & - The number is equal in the Intestines - There are two arteries to one Vein in the Umbilical (ord, penis, clitoris & gall-Poladder. There are several Japoular & renal arlences to one Vein.

6 The Vena azygos has no corresponding artery Is seems formed merely to return the blood from The intercostals, which had no opportunity of be - ing inserted into the (ava, from the periododi - um to the sulcus of the Liver. The Values of the Viens distinguish them still more from arteries. They are composed The inner membrane. They are sometimes laceraled by the venous blood. I Their shape is her abolic. The number is different. Generally two The' cometimes 3, as in the crural vein corneling In the smaller branches they are soletary, & they to not shut so accurately as the others. Yalues are wenting in the whole system of the Vena portourum, in the phrenic, renal, vasa brevia, Vena cava, Vens of the Mesinte us, aterus, Lungs, Clent not in a Dog or Sheeps Isbrain, also in all the veens less than a

Line . - They are not found in cold-bloods The are found in the lower parts of the (goa - the clears to wit. The beginning is at different times. In the hypoga the veins of the penis & flitois has many of them. The crural vein both before to about the origin of the Saphana has ma my of them. They are also in the population. They are cometimes found in the Vena asygos, more rarely in the Intercostals. Two Values are plaid in the mouth of the inter. - nat Jugular. altho they do oppose the re - hum of the blood to the heart, they permit it in some degree as may be seen Thursdon of any animal. The ven too admils of delatation which is necessary in many exertions of the adult & situations of

& In the left internal Jugular, a Value is placed over the chyleserous duct to prevent The blood from flowing into the Phoracie Dut. There are few in the External Jugular. There are many in the lingual, facial & Ponsillar brand -es. In the subclawran there are generally 2, Is many in the Veins of the arm. It appears that the Values are most new merous in hespendicular Veins, & in More that he next the Surface. - Viviparous Lucarreper have more than Man. Yeurs arese from certeries - 2 by from Cavi ties as in the penis, Citoris, Cristart. To they resort the maker of Ephalation? Haller Thought so, the Late Lymphatic Discoveries know this to be an Error. - a solution of opin - um thrown under the okin produced convul sions sleep & at last killed the Dog with universal rigors. - But this was not taken up by the Veins. eat least it don't follows Tying or obstructing the Veins produles Drops, of various kinds. - a Ligature on the Jugu dars moderes dema in the head; on the Gural Veins, the same in the feet; from a Tumour in the lower belly, an askind rom a scherous mesentery, a lumour of he Scrotum. The foot swells from a stell Ion & the arm from a ocherrus in the axilla. - Similar Examples are innume rable. - absorption of this kind is more un neveral than can be accounted for from the extent of the absorbent system & lakes place where absorbents have not been found, as in the brain. Red Yeins likewise receive roots from The pellercia Years of the Eye - Do they also receive them from the Lymphatics? They are * These did not success with Haller, herhaps because the animal died too soon

10 at least capable of being inflated from the R. Yeins, especially in the Spleen of a fell. But as all the Lymphalics however distant are collected into the Duclus Thoracieus, the many Vains lay neaver in their Course, & as it seems incredible that Nature should secrete Lymph from the asteries merely to hour it into the Veins, 'Tis probable that The fluids haps from the Years moto the asteries & from these into the Lymphatics. Do dymphatics terminate in red Veins . -They have been traced into the Jugulars, the axillarys, the subclavians If. But others have been unable to trace this connexion & the analogy of nature is strongly on the other 1st The Lymphalics of the Loins are near no Yeuns, yet they pap on a great way in order to reach the Duches Thoracious -

dy Those of the Liver neither enter the call Ja nor the Yena Potarim 3 ty Every branch can be braid into a larger one, then into a Trunk, then into the D. Thoracieus ._ 4thly - The same thing is true with regard to the red Veins - The branches are not im mediately inserted into the nearest trunks, 5 The Ductus Thor. manefelly paper the reasest (aver & goes to the Subclavian_why? To receive the Lymphatics from the necks & upper Extremities. fre Ladeal was traid this's glands in the Mesentery . - To the Lymph point out into Glandular cavities, or does it go directly from the inferentia into the efferentia? Mal peghius odys it is effused & guoles an Ist. in wh & was so. - Albenus says this effer sion was from rupture, & that if it were

12 to take place, the effused matter could ne -ver be resorted - a milky matter diff from Ly my is effused into the Gland & absorbible the vasa efferentia. The conglobate glands are very numerous What is their use? as they are larger & more July in young than in old animals, key may be supposed more useful to those. The fluid of the glands dilutes that in the dym - Chatics Malpighius supposed them to be a kind of let the hearts serving to propel the Symph - hence he laid they were more numerous in the thigh of man because he was herpendecular, But They have very few neaves of no muscular fibres . - So far dre they from propelling the Lymph that clagnations are no where so fre quent as is seen in Journey, Schimus, the Haller seems to think the fee use of the la

tatoe dangerous to to produce ochimus others suppose that a rough Leguon flows from the Iserves into the conglobate glands - Others that animal Spirits are there formed - If so forth. The ancients believed that the Veins con land blood, the arteries air fuero says, puriles expulmone in cor recepition, et per arterias distributur, sanguis per Venas, & D. Lib 11 - Galen confuler this concert . - The wheleness of the alleries may have musted the Ancients, & perhaps they may even have Essevered our in blood-vefsels, w. sometimes happens especially in warm weather. Some blood continues in the Arteries after death, the greater quantity paper into the

14 The Valves of the veins prevent the blood from flowing back in consequence of mus - cular pressure - Hence they are most prequent about the Sounds, for in the bowels where There are no Muscles, they are unnexeloary This use of the Values may be even de monstrated by Injection - This after death more of the injection can hajo the Values than Is blood before it both because the Year becomes lax's the values lose their vi. - tal power. Is weatherless our thrown into the chac 8 ein descends to the feet. Milk Mown into the veen of a Man, lowards the hand, re burned at frost, then swell'd the inferior beens proceeding lowards the fingers with a sense of cold, & after 15 minutes when the wound was unbound, no milk flowed with the blood. But this only shows that the assistance of the

The Values sustain the weight of the blood- hend key are very numerous in the Legs - Some lines however Varices wise, & prove fatal from the great quantity of blood pound out. These happen where the & alves are most numerous as in The Leg; & also where there are none, as in the 8. portarum. Ligatures about the necks, when too tight, horace sufusion, epistaxis, inflammation of y conata, & even apoplexy. Ligatures about Souls sometimes slop homorrhagues from dis lant harts. The quantity of blood los that flows from an Artery evidently proves the circulation of the Sews cut the Carolis with a very short knife & bleed the Animal till the flesh become hale because their Law forbed them to eat blood. I wen the imperceptible repels of

16 Veeth have produced modal hamorhagy-as happend to Gasserus & Paulina the wife of Ceneca. _ a homonhagy to 40 pounds has taken place from the Nose - fatally - this the vefsels were small & opens only not rupturs. Veins los can produce mortal homorrhagues the it is necessary to use some precaution to prevent the eides from closing - In this way herisho Senera & Velorius Arbiter_ Infusions airis or poisonous, affect the in · lemal parts not the remote - Porsond arous depo in the Juice of the Thora, or of the white hellebore, kill suddenly the the wound be male & they make the flesh soft & tender. The Indians dep theirs in the milky suce of a Tree not yet sufficiently known & however right the wound be, they kill in 6 minute now sometimes in one

all the and & strong spirit kill sudden! be producing black, grumous blood in the heart & Lungs . - Fumes of sulphur loo ho eluid death . - Opeum, wine, & weak Spirits produce sleep, debeloy & Death. & Mercury injected produced ewelling in the Years of the head & an effusion of Jerum into the Brain. Lex growns of Yarlar Emelic products Jalah vomiting - hes in of Scammony like loise - & 311 of from Metallorum has the same effect - a solution of Jenna moduced combine only not death - Dogs bear great Doses of possons & can harry be kill by Opum ficuta aqualica, or other vege lable hoisons - Borrichius says that the same dose infected in a Vein will produce the same effect with an equal one swal-: lowd. - 311 Vincture Cantharisum injected

18 moduled very copious wrine, evoded the blackder & Relid a dog - The Expt was repeated with similar result. - Is the produced plent ful flow of wine, but not death. an infusion of assenie weeter produced borborggmi, con -vulsions, death. - Poile from a man dead of pestelence produced death, queker when in. Excled into the jugular than the rural sein. Oil of Moberco produced death, but when the spirit wers injected to 9 drops only, vomeling Guckness alone follows. - a Decochon of it as well as of while hellebore proves fatal - 31 Jr. salis ammoniair thrown into the axillary Vein killed quickly - sometimes coagulating the blood made block. - Solutions of nitre have also prood fatal, but the blood was al -ways found red. - Sewey has been said to have been and by injections of Juney grad ulcers gout, plica polonica, & Supplies lysinger

hons of their respective remedies Epilepsy 9 s not Eurable thus, because it is sealed in the ewes not in the blood. Incredulus osi The brans fusion of blood from one animal to another proves the circulation of it. It may a perhaps one day introduced in diseases of de belily, but has been hetherto confine to infe nor animals - a Sheep & a Frox were sevid it becase after incardious bransfusion the last recovered by V. section, the former died with inflamid Intestines. Bloody wine, efusion of blood into the Abdomen & death in various shapes have been the conse quence. In france an old Dog, by an eccepsion of young blood, became less deal, more alert - another equally old, became usk, & a 3? suddenly recovered from a die Lase. - a horse 36 ein at recovered new

20 again from the blood of 4 Lambs. Encourage by these trials, similar at · lempls were made on men . Blood was Frawn from a cluped young men & man than hed had lost was thrown into him ho a Lamb. - The event was rather favour -able. a Leprosy & Quartan were wis in this manner . Arthur (again in in gland - a little wrong - headed, had some Theeps blood thrown in at first without be afterwards with inconvenience. But he hopes of physic were dashed & it's curros dy reprejed by cross accidents. - The sluper young Man became first frantic, then apoplection I having died, the widow commenced a proof against the Transfusers. - Not deleved, they transfused a Call's blood into a young me of the royal race - coliaco, et despersa sho died soon after & his intestines were! found severate (what's that?) . The senale of Paris forbadea repetition of a local so dan gerous - In scorbulies it produced unhappy effects. Its There is always danger of codoubating in the Bubes, & the introduction of this foagulum is most dangerous. Some have thought that Phypocrates knew The fireulation of the blood because he ron speaks continually of the TES 10 don'as pea But this refers to opinions in astrology. all he knew was that the Pulse wasoc casions by the meeting of an adverse our rent-suppose from about with one from below. - Jolomons wheel at the Justern has been thought descriptive of the same thing, but it refers only to the wheel w. which they used to draw water at the wells, & breans that no more water wills

22 Plato, Euripides, Galen & Nemesius have all been quotes, but, all they knew was that there was some small communica lions between the Yains & Arlenes that These might harlake of respiration & those of noureshment. A man aged 40 after about 3 or 4 weeks ellness was comilled into the Informary with a large pointed tumour in The region of the Liver accompanied with exercicaling hain - He soon died - On difsecti on the Liver was found unusually large with an immense aboces on the upper our Jace of the right Lobe, which atherd by its integiments to the skin & muscles firmly. It contains lib VT of then sund prorulent like matter. The abscels was very deep, but there were no marks of inflamma

- hon except round the margin of the 23 Imposthume - at least zviii of a similar maker were found in the Mericardium The inner surface of this & the outer one of the heart had a granulated appear. ance, yet the Pulse was regular about 60 to the last - So rupline by which The maller could have pape'd from the Liver to the pericardium could be delect ed. Had the effusion taken place in this way after cleath, the corros con might still have happened from the great airmony The matter. The aapidity of the disease was great -. Mr Fighe thinks the appearance of corresion in This case, fallocious - Little knobs of coagulable Lymph athering firmly produce it, but they are easely weed of

33 The shength of the pericardium exceeds that of any other Nembrane - In a dog, when it was the 413th part of an inch thick it bore The weight of 6 atmospheres, 418 hundreths, while the dota of a man this so much Theker bore only the weight of 4 atmospheres with 17 tenths. In outparous guadrupers as the Totoise & procodile it is uncommonly strong, also in the Seipent & Fishes In the Eel this hair & shining like a Tendon, in the skate almost Carlelageneous, in the Lamprey ofseous, Is the only part that is so. all this is to supply the place of bone. > Some have ascrebo 2, some 3 coats to The pericaid um, but Haller affirms there is only one - Many have described muscular fibres there, which however is a mistake Many nerves penetrale the hericardrum in their way to the heart, but few remain

in it. Hence it's sensibility is in 3h considerable & it's wounds and without much danger. To There water in the preneardium during life? Jone have cleried, more have affirms. In youth there is more than afterwards, & of a redder colour. - Sudden death shows it less Than chronic disease. Yet even after thun -der, sufficiation & strangulation it has been invariably found by Maller) This water is not unlike the Lymph efficiend on other places - thether red or pellucid It coaquilales by heat or the retrous acid, Aler pleaney at pequently becomes so thick do lo form ashedions - so that the heart is it were covered with grumous milk forms similar ashesions - Lamina are sometimes discoverable in the fortents of the

25 Adhasions disturb respiration & by me venling the compleat evacuation of the heart, greatly increase it's size. The firm athesion has made some deny the Existence of a pericardium - Sometimes its linealy has had the same effect as in The mole the but in fact it his found from the Elephant down to the lowest orea · here that has a heart. What is the use of the perceadium? not merely to retain vapour or water for mois lining the mover, for that could have been Jone without it - but to fix the upper point of the heart that it might neither vacillate nor full sown the large repails by its motion. - When it is remove thes the motions of the heart become irregular It is strongest where the heart is unsupported by a Diaphragm. _

The water when sound in quality & proper in quantity prevents ashesions, & also moderales pucher. at each pulsation the heart strike ing the ribs would unsoubledly produce tri-- here, elevation & death, were it not for the interposid water. Whence does the lignor pericardie originate. not from Glands schealed either at the basis or the apex of the heart, for they so not exist, not from the Thymus, the colour of whose liquor is white, while that of the person can um is red, The latter is found, where the Thymus is want ing, I it being confind to weeparous quadru head; not from glands, poses, or vesules between he Membranes of the Pericardium itselfs for they have no existence, but from exhalaint refsels, as is presume from the longulables nature of the Liquor, I is fully proofs by

27 Expt. of you throw a colourd injection into The Coronary Arteries, whether it we saffon with water, ising ago in weak Into or \$ an exhabation will take place from repsels formerly invisible - then there is resistance to the motion of the heart from obstructions in the Lungs, sometimes blood is fored out from the auxiles by the wolent exertions of the heart to overcome the resistance -Absorption lakes place here as in other cavities. The right airiele of the heart is larger than the left for 1st the pulmonary veins are less than the artery; 2 dy the difference of size in the aureles appears even to the Eye; 32 Experiments prove it - The Disproportion is Italed as 2 to 3, as len to 11, & Haller in a Jaluses right awille threw 24 Drahms, while the left would hold only 8.

alkalescent hlants. Principles, a volable essential & a diluted alkaline oalts. Mimulating, because it exceles sneezing & teers. The effects differ from Those of the former class; and act on the simple solid, the alkalescent act only on the solidum vivum. Their shi mulale the stomach, correct acidity & promote the action of the intestines, & heart. Hence they are uneful to the old. Internally they slim whale, external by they repel. - They allemate the flu is. 3dy Promote wavetions of every kind, particularly expectoration Leeks affect the uterus. 4thly They act as anhoeptic & anhocorbutic. (alo major thought his family escaped the plague by the use of Cabbage.

as plants both accescent & alka lescent plants cure the scurvy, the air Does not depend on the aird, but on some other principle, perhaps fired air. Jago grows in Maluceo. The trees grow wild in the woods & is the food of the natives who are largy to except. Mis bland, multimental, & muulaginous Jugar. Isativity of the plant uncertain. One says it came from america; to certain the art of preparing it was impoled from africa according to Linna us, but it reems to have come from the 2. Indies by the way of Madeiras . -Sugar landy is made of musquavado or first produce of the Sugar. Over & Bord yeld Sugar also, but so small a

quentity, that it cannot be extracted. Jugar melto in flame, & is disolved by heat. It assists the solution of gums & Distill it yields and, flame & earth, must with much mucilage. Is very sin gular. - Sugar disagrees with disapreh the people. Is supposed to spoil the teeth but this may be awing to the dime. Jug" is a powerful antiseptic. - an excellent vulnerary. - Shmulates, & is laxative. allen nates & resolves vis. eidity. Genes ague (akes. 4 My St kills worms. Worms that resuled aloes, were killd by Jugar. 5 thly It corrects bad lastes. Robts _ aces cent - Murrip makes cattle loose in their flesh. - Light food. Their juice They promote expedoration &

Canot rucher then Turnep & feed hones well - Suppord good for broken winded. Canot poultices recommend. ed in Cancers. -Seeds are hot commende & said to be an emmenagaque. -Potatoe. Got from america & as rembles corn in yielding breed, starch & fermenling liquor. - Is a light food & gues good nourishment. Don't keep so well as corn. all the cest of this species are poisonous. alkalescent - Onion Decoction gives a fine flavour, extract, none. (unes Dropry once. Promote suppuration. Radish - hot only in the outside. Seeds weMout Thells are divided into The Lulmiferous & leguminous.

Barley the most arount food especially ! among the greeks & hebrews, Diodonus Days it grew will in Sicily. Diresteems after wheat was known hence volviers were punished by barley bread. - Phisana came from the custom of decorticating Barley: Oryra the food of all asia. - Method of preparing it. - Jeplie & unfermentable. a spare diet. In it good in dyrenley I other pulsid directes, if it he so prone to putrefy? So. Wheat - The strongest food, which, tis said grows wild about Leonlum olysoled in water - 4 letten not depoted water, but corrupted very soon. a black powder remains which slinks abom mably, &1 of Gluten was found

in lit 1. Gluten resembles the coagu lum of milk in many particulars. Found only in one other plant. - Shough to be the principle of nourishment, but that is imposible. Muulagenous have rather. Wheat heavy in the form of grain . Galen & his Sons by ealing boild wheat were much indishood, Proerhaave mentions a similar ex ample. awing perhaps more to the glu len than the want of formentation, as rice the informentable is not so bad. Thour applied to the feet by Joxus - lus l'ompeius. Bran is lagalive. Is used by horres. Oats. More aces cent. Commonly rechond holler than other grains, perhaps a mistake. Large bellies & obstouti one of the mesenteric glands are

impuled to it. Rige - The general food of the north. applied as a poultice in anginous Buck bean. Panie. The natures of marseilles has on it during the nege. -Bean. 1st usd by men. - Mindy & fet only for hard- workers & was forbid by 10 thagoras to all his Scholars. Tea . Like the Bean , good for food when green, bad when dry. Paread must have been made by alow de grees. Howning the strak was the 1.9 % heading with cattle the 2? method of reparating the water. Boiling as is Done in the East Sordies with rice. Brus ing discovery by accident. Zuirns used by the Porlons before the Romans.

Deparating the coarser harts. - Tilling Is drying. Sarah knew this method. Bakers only established at Rome 100 years before Christ. Hermentation in. modured to was known the Isoacliter Leaver still wid at Paris, as yest is condemned. apt to give the bread an - Bisket, livie put aid taste. -Milk. This the chief aliment I not ions into the over . In important in medicine. First wed in Society. Thepherds preced agriculture. 4000 of children - perhaps in utero. 1 the Because there are & Reasons for it. While from allenualed oil, west from the salto. Capable of very various impreg nation. Tuffers a natural decomposition. so coagulable by the juices of the stomach of all animals & even of fishes.

milk ought to be used warm before any decomposition begins to take place. milk is acessent. Precomes pulses cent in Portches whe use animal food .- Dictelie. medicinal & middle. 1st from ruminant animals. - Great va nelies in quantity & quality. 2 dy ap- milk, little cheese, more vapour & sacharine matter. Less acescent Dissordes recommends the heal of milk by putting it on the nail ungui instil latur over diffluit, but improperly. -Effects of milk in food. already in. measure digested. The and is conciled, is air is emitted; a (orgalum is im sharted & the Jebrous clestroups. It con lains oil ready formed; coagulum, salls & a resous part, all acady to supply the wants of the animal machine. - low mick loo strong

for child ren, the taken in by such tion. (oagulales in the Homach. 1st Because every stomach contains a power of doing so after death. I'dly Women's milk the least coa gulable when thrown up is al ways coagulated. mich is uneful in disease. Dideli is too strong; women's milk not laxa hue enough; mare's & afses milk like each other & most sawharine. anabians use no agres milk because they seeken it antiphlogistu. 1st Milk is autiphlogistic & redalue Milk & water colder than water, & heople elect after taking after milk in a morning. Jelius tays, pro voneno est, & in Jewers especially the lyphus to so . - In heclies

& phlogistic diseases tis our hoin upal remedy. Particular & general hedies - The last after the variola & onorbilli, & always of the phlogin he kind. Food ought to be wholly of ago milk. another species is of uen in oto people - herlica seni . h. Character of by went of appe tite, heat after eating, & went of sleep. a little bleeding & ago milk wid only for duet have curd many. In topical phthisis, as much accom mended by all from Hip. to Home Two stages, Inflammatory & Purceleut. It from a glandular affection. found there is a aemission. Here much corrects the alkales whee & sheaths the acremony by it's oil.

after the remission is the fittest lime i.e. in the morning. Ought the food of the animal to be allerd? The opi nions on this subject are whemsi cal. - Milk is ineful in homor rhages whether active or passive. In old coughs with phlogistic dea heir tis good . - In gout loo it has been found service able. Henry onen hons it as an effections preven tative. Is it then entirely of the nervous system? Cornaro got a fe ver by increasing his diet 311 a gentleman after living years on milk look to Beef stakes to break fast w. out any bad consequence This not generally the case. 2 dy Tis revoceable in a purulent hertir from its antiseptic power. Said by one to have curd the surry

Tis antourid & anlisheismodic. Sydenhan and hysterne patients by it. - after mercury to the best diet. 4 bly of is em ollient - hence weeful in manie where the brain is often found hardend . - The best method of employing it. 10 The forma via must be cleans. a by a womit & a little while art. 2. It must be given in the morn? & never in the afternoon except when there is no fever. goly the grean by must be proproblemed to the strength of the alomach - Ship. gave \$30 - 3 gills in general mough 4th To be wid hot I - Either from the animal itself or heated. They a little Brandy, unn amon or boiling corrects he armets.

6 9/ it purges, it must be boils. 7 The Diet must be light & we getable 8 - Exercise ought to be taken. assificial as milk often und at dond on - made of mails, evingo, harts shown & barley - much aginous merely but not like afs. milk. apply of low diet in Disease. Opinion of the ancients. Common det pernicious in most diseases, but chiefly in pyrexia. appelle is commonly lost, fleuts only are de Live. - Tenies of Hip! in various de 1. Low in acute, & vice versa 2 More to the old then the young 3. More to More who had level July 4 given only in the intermisposion

or remession 5 Ha halient was disturted after food he gave a purge. 6 He gave no food af the operation of purges. This perfect uplem of Myps! was allest by as clepiades who corrupted it. - Most of the an cients gave no diet till the 6th as depresses gave it on the 4th but he gave los much & los great or nety. Them is on gave food on the 29. Day after the remission, without minding the begg of the Jever. The Mength of the patient is the only criterion. The beginning of the remy I con is the most proper time. The opinion of the moderns. Pulpy fruit is proper for inflammations . Typhus requires acids & astringents. - & ariola likewire acids.

Catarrh needs mucilagenous & inerapants In inflammalory phthis is and & subaid facilts are best, but if a purging come on, Jago & Salah are proper. animal food not so proper as Segetables. Monfebrile likewise demand low beet . - Hamoptypis agrees best with low diet. Icterus regimes dob Struents & letters. - Lues Sena agrees best with milk t. C. - Mania requires cera sus, melan & milk. - Gent. effect of vegle food - 1th of easy digestion, because less solid - 2 dy Tuice not very lenaures 3 day Have little oil. To flind loo & intimately mit with the mulage & salls of Segela bles - 4 The very fermentative, which is a principal hart of the digestive process. 5 Sumulates little, but is rather sedative onelines renews a peroxyom of an a

6 It is anhiseptic from its salls Effet of Promotes all the excelsions & secreti 8 8 eg. little increases the red globules of the blood. - Perhaps adds much coage lable ayouph. gthe Prosures mild fluids. - media mata almonds. Come from africa into Europe. Come from Spain & Staly. The better are possonous to birds & Dogs, but not to man - Tho' they hurt him. farry of freekles from the face. Thin ought always to be removed. - Very nutremental, but apt to hust the stomach. - Uso in Jochuma, Pislachia . comes pom arabia & Egypt. are more oily their almonds. -Walnut - when young are not only, but when old your yellow & rancid. Skings

Isuts - not so only as the former. Chesnuls-came from Sand is in lefser . asia. Heavy lill roaded & even after (acao - lomes best from Spain - & from The west Sadies - Fruit like a melon I contains the reeds in the inside not unlike almonds. Much esteems amon the Sordians. Chocolale very nutrimen tal & approsidece. In airid & tickling cough the very useful. - The Shells make a kind of tea - between Chocolal Jean Product as well in vacusas in air . Quantity of cream diff in aff. species & even in indevolve of rashures give most - The milk drawn last gives most. anlidate ag. howons

Light animal foods. Poroths & Sellies 45 come best from the least bloody harts & of granworous animals. Inails, Jish give plenty - Seal more than beef . Selly & lymph quite diff. . Telly contains little oil . Telly an artificial production by heat - Cannot be got from the blood. Chemical Solution too proba-:ble . Jelly in proportion to the escape of air . - Orbres of young animals easiest of solution & - Bauelle much and of solution V.C. in France in fevers of all kinds Your destind for the chik, but good for man. - Hipp! thought them strong food. albrien like animal Lyonph - cauly diges led when eoft & v.v. - Usd externally as a achellent - Vilellus more like the red globules of the Blood. Not is conceptible as many other animal Sub. stances - very muserble with water.

Very nutritions & inclines to Senery. Think gave them in Jewers but they are los strong - Two raw Eggs a cure for Saundice of there he no stones nor of Jection of the Liver. But tis increde ble. Convales cents may be fed in steen. Poroth wid in Clyders both to nowish & Strong Diet - Mushroom - Most of this habe are poisonous - like the narcolus. ail is said to be the antibole here too as elsewhere. - Round headed with red gills are exculent - Voon become her :trid . - Composed mostly of gluten X incline to venery & produce choler. - good for weak Cheese - flowers of the artichotee lind to coagulable milk in aprica - Stomach use in this country! - Chease Runnet does not hopefs this quality. - ands coagulate both blood & milk, but run nels & heart affect there fluids differently Cheere reems to consest of the gluter of Segetables. - Cheshere cheese most alime lant, because the runnet is the saltest. (heere given 2 is a week in the London Hospital wen in low diet. - I not pudor. good in and stomachs . Poutter . Likewise vegetable - How repa rated in churning? Doubtful still: By melling & skimming to made to keep long. er, but is rendered unfit for many operation tions. - Much use by the northern nations. Throng & heavy food. Melles it be comes for heavier - Salt butter more easily digested -Laxabre & demuleent. - - animal foot. Various in many things, undar in it's effects. The greeks & Romans eat agres, paniardo eat cato, & ra forth- The New-Gealanders eat their fathers in order to Them with more honour. Thength Herceness characterize animal-eaters,

weateness the vegetable arters. animal Solis onuch more athere han Fegetables - Have much fat. - Seg. either have no fat, or have it mind with muce lage. Fat of difficult digestion & al most incapable of change animal food is much more septic han Regetables. When is mislaken when he aforms animal food to give most coagu lable matter to the blood - affords most blood, predisposes to plethora, occurry of. acts persperable than veg. - I durdes animals into Birds, animals, fishes & amphibia. Biros ingeneral lighter than animals less reptic - Slepp? said they were dayer from want of saliva & wrine. Piscivorous. more pulsescent - Soldier heed to live allogether on Piscovorous & water, but Jouer & dysonlery loon came on .-

Pok comple very roon & diminishes hershi nation - Pigeons applied to the Soles of the feet stimulate like Tinapisms - Wheir Dung is very alkaline - The waye of the animal affects the quality of the food, The small are light & v.v. Exercise very m varies the quality of the animal. While food generally the lightest, but does not agree so well with dyspeptie Good differs on its effect on preispiration. young animals are the most tender & are most gelatinous, & les digestible las brahon produces a great difference. Shoulder of Mullon does not keen to well in lown as in the country - because they are driven from the country. In the St. Indies one Day, In Senegal , 4 hours compt meat. Fish - appear lighter than animals-lefs from then Land animals - are less fat-except a few morthern ones as whales, her - 2 causes overbalance I their talls & oils are more an imalogd-

I'ly They are more relation. - Fish lowns have most children & those of higher complexions. Those of the ocean are the lightest because they get most exercise. Eels are heavy . - - amphibious ani mals are lighter than either of the other 2 species. 1th from ashes ion of the fibres is one cause of diff. digertion. 2 dy Much oil or fat. 3dy Visually of Twices - Eels oy less the 4th Too great a degree of animaliza tion & pulses cency. Where is full diet proper? In no practice. a young man in the begg of typhus eat animal food & was appealed with tomachin complaints. - Proper enough in Satermettents along with wine . -Troper los in Dropsies. - In Scrophula

Epilepsy if arising from debility requires Alight food . Light animal food best for athma. Veg. improper in hysteria ex cept in the inflammatory kind. Beef stakes agreed best with dyspepties. Icle rus requires light animal food, Diabeter dendes imperfect animalisation & re queres animal food. Luantity & time of laking food. The ought to be regulated by 3 curums lances 1. The nature of the food. 2 by the strength of the digestive organs. 3 dy The exercise taken. - abstinence work Man Satisty. - The lime is - when him How often ought we to eat? often & little at a time. Dinner ought to be the strong est meal . Supper ought to be light. 6 lemperaments - phlogistic & antiphlogus lie; putrid & aid, Bilions, nero ous Phlogistic like the sanguneous of the an

and sphlogistic - or phleg matic is contra my in every respect. - Septie - blood lived, breath felid, h. weak, somes dy-: ficult to head . - - and is the reverse and enrelation prevails, like the antiphlo gislie, but there the acidity is wanting. The alkalescent veg. good here - as one ons - horse raddish - Nale meat & rollen cheeself are here proper. Belious habits agree best with the strong est Vegle airos - Versous habit chiefly found among women & people of delica : cy. - The says of her knew the food of any city he would undertake to hourt out l'é disearcs. a great proportion of our fluids is com host of water - Drink is as necessary as food! - Potes imbe cell us - Water a most universal agent. Eastern moz narcho carry the water of he ganges

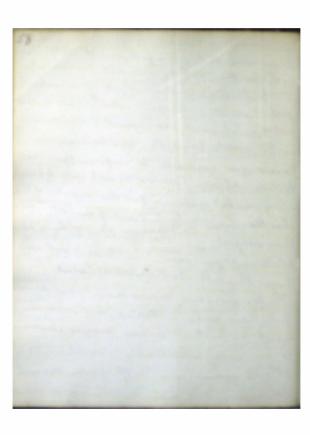
along with them in all their exhedis lions & the adjal family of Spain are said only to drink of one foundain un Madrid. - To water compressible? very little of at all. - Oil healed on the surface of water more safely than in any other manner. Contains much air . Water dispolues mineral ands, & uncles with alkaline salls otrongly . - What are the rights of good water ! Colourless, ens you & light; soft, should not be come turbed by a solution of selver . -Plain- water contains many impregnations obtained from the air. I full of the rests of the fungi & algo & the geston . - Iso better in may than at any other time. - Preferable to fountain water. I now & ice water not so good

Mor want of its air - Isot so good a Solvent - Does not boil greens so well Tumidum alpium gutter is impula to there waters . - This swelling allacks women rather than men - To sometimes found here. Found where such water is not drunk, & v.v. aspect of fountains is of no consequence. Specific gravity of river & lake water diff. med effects of water - Hoffman asonbes all the benefits of mineral water to the elemental water - Pout is a mistake. Mephitic air is found in those wa ters where Hoffman could find nothing. Water promotes digestion - dilutes aon. mony, corrects putrescency. moderalely cold to tonic. Gold water ap plies externally with advantage in Typnyranites. - Proper in prajaise has morrhages. - Promotes all excelsions

of secretions - Baker mentions cares of 53 Inopry curd by water drunk large ely antonius Mus a wird augustus by cold water. 11- Mercury is a powerfull repellent Drives away primples the 12 - Tis antivenereal. Venereal disease is either topical or general Gonorhaa is the most pegt exe of the It. Buto while small is best and by Yountment. lungalues, alleratures, baths to were uid by regular Physicians to the vene real disease but in vain. Japapas & San saparilla at first curd the pox, but they at last fails. Hor 5 years after the Lues appreció , mereury came into use . _ 8190 & Tanky were the first who wid it & they made great fortunes. Mathiolus so and

red - precipitate internally. Paracels us first us Tupeth-mineral internally. Depolod in the juice of Limons & mixed w. Rhubart. By salivation is The most general method of cure. _ 3 Hages, Began ring, continuance & eno. - moderately warm weather, venosed ion, cleaning the huma via, that state of the vefsels which is most hermeable, flannel shirt, gradual introduction of it must be allended to. (aloned is loo acrid. -Otenk's Solution is the safest for in. levral use - Fraction is the safest made of introducing I. 2? Mage. The quantity salwated - may we to or 5 lib a day . - The state of the fuelie must be allended to - it must never rise above 100 - The heart of he room must not exceed 60 - The palient

must by on one side that the Talued may run out - The food must be humid both for the weeth & stornach. 3- The Salwation must go off slowly. a Laxalure is moper - Milk diet is most proper- Edernal air must be admitted with great faution bountry, Exercise, Yours are requisite to conform the consti tution. I Clare proposes to salwale by ruch lung mere? dulies upon the enside of the checks lips of Conclusions from Got on on this subject. - Ist the effects of of this ap plied appear roon - in 3 or 4 or 5 - org Days. The last was hydrocephalus. 2dy Ito operation seems to be more power Jul han given in Bolus, or their ourtment in faiction. Seldom purges, & reems to be more compleally absorbed. 3 or 3 grains reem ruft for a man, 2 for a boy & it may be either given all as



Coffee . - - strikes black with chalybeates. Roasting destroys it's nutremental property. - Infuid w? Sp!s tis disagreeable, not so when inf. in water. Tis and reptie - Sedative - awing to the Emply reumatic oil affecting the Gerves. Floyen kept of the ashma by it- Pringle found it ineful too - Thought unfriendly to Venus. Malt Liquors . Use anciently by ale northern nations. Jinum ex cerere las. Boarley is the best grain. - Thames water with a 7th less of malt makes stronger liquor than well water. M'-Paride Gibs on & folling have recom mended it & experience has conformed their recommendations. - By boiling it deposels romething unknown, by the lops of which this improved.

ale disposes to elect by covering the newes of the Homack from all in tation. ale is less fermented & hope han Beer, therefore keeps worse & is always more tubes than it . - Mum is peculiar to Prunswick & is made from wheat w? spices of various kinds & the little forments Reeps long. Hine . - Scarce in Sumais time who employed milk in place of it, & it was death for a Roman woman to taste it. Hofman Muks the seels of wine differ an cording to their colability, but Parlar is deposited by all vines. - Theorish requires to century to purify. Ohearsh curd dropsy according to Syden". We now we the Yoular of it. -mobific maker may be decend & no due are form. at & imeguen

When threw out a black matter 2 % Sweats follow, 3 dy after feeling a be to one got drunk & had no Jarther effect. They It files people drink & raises heat. - Excites he we nervora, & thoughting the muscles. andronners reprove alex" Drunkennep by belling him, he drank the blood of the adder. Ranes & quickens the pulse. The general ing hower is much weakend by wine. The best remedy in Apphies Servosus. Here wind cools of moderates the pulse. The heart being weak over not empty it relf room, consequently the motions of it are frequent. - Wine by thengthen ing it enables it to act more foreibly & consequently more cloudy. - 20ty acts as an antespasmodie. - Miful in Imall-pox, gout & many other dusiase

Hips onigo 25 harts of water with water but the wines must have been very atrong. - (slow recommendo 3 hemina a day. - a young man in small pox look of bolles of Claret 8,2 of port away without obriety . - Marle & colour aprix us to judge of wines. I west ones are most nutrimental & have most medica materia. Whenish contains much air, and ralt, & Spirit. - Fine auda progefaciunt. - Champagne has little meeta medier, Burgundy much as appears from its growing aspy by Manie ing . - Yokay is much heat when expose to air. Sudorfic & has much meda materia. Port has many ox. collent qualities. - Lisbon hous much acid. Do - -General view of alinent,

What food is fellest for man ! The pythe gorean opinion is get for the simplicity of poetry. In judging of this question we compare man with other animals. Jeeth & Sails diff in the herbworous of carnevorous. Nomach los deff. & the length of the Intestines - Man designed for both as experience shows - Horres lows & Hogs can be fer on fish . lookery. Esquimaux It eat raw meat as was done every where originally. accidentally falling into the fire ing gested the first hint of Cookery. Draw food much lighter Than row, which Jew Mink - Hume. Micelage & glu ten in animalo. & vegetables is the principle of outrition. - Jugar thought the principle of authorion not is except in as far as it contains muilage.

"Hat not the nutremental hart of an mals for various reasons . - ! The alimentary process . Thinger module by a sensation in the Stomach Drink opum, being Frauer backward ren der the rensation feeble. The nature of the showalus unknown. Hofman Thinks it aires from some and remaining from diformer oneal. Jone probability for it, but its often not found. Haller & Boerhaave thought it owing a fuction of the villous coals of the Stomach, but this is impossible tho there are not wanting some Wheno. mena to give it a plansable appear ance. To Saliva & the gastre juice the Umulus? - 1st They contain much find our ready to break out. Salva is used as a discutrent from this punciple.

Doly Spilling removes hunger. Poorhaave med this on himself. Tabaco removes hunger on this principle. 3dy Saliva grows definent & hunger 4 bly When Saliva is scarce as in heat Jovers & elech, hunger is little felt. 6- Digertion & appelle correspond Vale in the 2. ? of they Whis course is suff. To explain the Organs of digestion are either conesclipe or nutritive. - Many opinions about the action of the Homach. The Mought it was boild, asclepiades that it was Inturated, the Shymusto that it was depolod - Geronentation was introduced

, by Pringle & MBride 6 1. appearance is welling of the Homach from air evolve. all the map is roftend & sweet end . - If it continues loo long in the Sto. mach . vegelables grow and or pulsid. Thirrows lumours, weakness, & opium keep the food loo long - Haen found the contents putrid in a schirrous pylo rus. Heat was long thought the prin. ciple of digestion, & analogy recommended it . - Heat is requisite but is not the principal (aure. - lot animals digest howeverfully. - Tarturation is insufficient to explain the phenomena. - Berrys hap unchang? & worms live well there. The stomachs of fish & Jogs suggest the idea of the gastric fluids as strong Id. wents . - - Polulion, is not the true cause, for much of our food is fluid, & needs not solution.

Termentation is fitto explain all the like nomena. - 2014 Breat , water & meat fen ment. - Bread & weder grew and, water & meat grow hulvid, but all the three ferment. 3 dy Salio a increases fermen Talion - The Soidians ferment by chew ing - McBride fermented himon juice by it - & Tringle fermented vinegar & wine - 4 they Dig? & form" are exactly similar - 5thly Heat & agitation favour both flannel on the stomach increase digestion . - 1 this has a peculiar fer ment · Salwa. 284 It's product is diff. from every other formentation. -1" Drepo food ferments easter than raw This also digeds better - Weg. & animals ferment & digest better than eitherse herately - Eggs digest & ferment il. Ho ney also - as paragus easily. Salt of-

Objections. 1th Many bodies mereroe their qualities after digestion as Garlie &. But the fermentation affects only the much age 2dy The Charle is rometimes and, but this is morbid 3thy The gas hie juce dops formen Aalon - but this is by no means 4thy Herbevorous animals don't digest animals & v. v. but this is not 5 they the prajoions affect digostion but cannot influence fermentation but they may produce apasms. 6 My Digestion is worst when the fermandation is strongest - Pout this is easily obvialed

Good slaup in the storch he or 5 hours , but the time depends on the malure of the food. - harther change in the intestines, call'd intestinal Digestion. No acidity. is perceived even in herbivorous animals after the bile is mixt. - The cause of the sweetness of the chyle is not yet as certains. Meat, triture, pullefaction are all insufficient to produce the effect, a new fermentation therefore is the most probable opinion - Poile is very fermen lable & much air is evolud in the Du Janum where the bile is pourd into the alimentary maps. - airs fermentation prevented by the bile - as appears from Expl. & strewation. The chyle is taken up not by mechanical force, but by capillary attraction . 6 or 7 let of chyle came from a wound in the thoracick Duct a day - Mem acad . an. 10.

Venera's Nife lost much blood & conti mued long weak. Red globules very diff from oil, the oil is requisite for the formation of them. - Heat is though requisite & air, the fishes & eggs the 20 Day after incubation have them. The twoceps in forming them is like the hubred hosceps in many harheulars. My is blood and as it is forme of while chyle? - Some to salto, some to density, some to air - Walter to a chaly beate mixture in the and globules, but iron is found without this colour. Home could get no tes g from blood. Salts - Fol alkali constantly forming, & unding with the aud of the thy le forms the ammoniacal Soitts - Gluten is is abundant in the Severn . - Coagula ble part ecems to be of vegetable origin. Autricion of the colids comprehends 1th that

of the fibres. 2 ty of the fat. The gluten !! of vegelables reems to form the febrous has of the Solids. - Mickety (hildren had glulen loose as well as their hones according to Prompeld. Mutrition is her performed by 2 dy of the fat . - Frat much warted & con restore. - Exactly like agetable oil . - Evacuantica. - Here the alimentary principles are weak, the medical are strong. Modes of evacuation are various but may be divided into natural & adjuical. Tecretions which are of une & excretions which are thrown out as welefs. - Errhines - Primrose is said to be a strong sterned along. a little pince of this , woulfo up is east to have curs a head ach. - as aroun produces a dis charge without encering - not certain. (unes head ach & comalore complaints Three in deafnes & chewing in har alyris

The hurges & vomits, & is said to have wind interm Ments. Hobacco was callo Micoliana from the Gentleman who first brought it from america. Use by the Said cans to prevent hunger. Kinga! wrote a gainst it - a violent slern utatory & brings on verligo & even delirium Hells if introduced into a wound. Produces vom lings if applied to the Min or lo a wound. Gurd a lumaur in the hypochondrum, appl in 3V ca Caplasms for some months. Used to care Intermittents - as an aprevent too. Imaking was introduced by Six M. Maleigh - To support to correct infor -tion. - But every kind of emoke has unular qualities. Used in elysters on various oceasions, particularly in mound people. The juice is also use. The Paste is felt in the mouth when 73 chysters are und in cases even of con election - Does This show also oppli on on such casions. _ Us to destroy vermin as in the the Istarmaca or Incese work. The flowers are said to be changer than the leaves grupes much. Eughorbium is loo violent & ex celes convulsions. all send Nauls may be uid, as oncons, garlie the of the nature of the mucus dis changed. Found in the nose, Lungo, aspera an leria If. perhaps in the blood also. Fround in Cheese. - Mixes ill with wa ter. Lighter than water, but after stagnating or fermenling it rinks in water. - Mucus is converled into hus by heat & stagnation . Longulales in boiling water.

The To not so pulsescible as the Lymph Hence the mucous habet is less lia ble to putred direares than others. What is the organ of Mucus? To it the offshring of hubefaction? Tennac thought so, but his remarks only prove that it is not putiescent. - ani mal mucus diff from wegle mucilage. - Mucus the origin of many diseases. - all enhines are airid. Some hopels it in their essential salls some in their oils - . - Millis thought the fluids of the nove twoceeded from the brain - this the as cribiforme. - Errhines quicken the circulation in the mose . - Warm milk applied to the nove clops rosey. ing . - Effects - When a chargina stors a cough begins which I'd not appear while the discharge continued. -

Enhines weful in diseases of the eyes Is of the Teeth . Wed in rheumalic pains deapress, head-ach I. - breful in ropo rose cases & hydrocephalus - Trulale The news & relieve nervous head ash Promote delivery, menses - relieve heppeach. - Must not be use in hot countries or warm weather. Benzoine. - callo apa dulis. - Dywhees in Spt To compose of Satto & Resin. Not use internally, but it may be sup poid le allemate - a good (osmetie) Tinct Benz Zii - ag Ros opt libitmet where recumdum artem is wis weneven ups am aquare. Dr. Home's Lac Sirginis. It I . Morro prood the salt to be an acid wir generis for he conjoind it w Compound. - To joint w opium in

To Elix " Pareg. to prevent the openin from binding too much. G. ammoniai. Pliny knew it and men lions it's qualities. - Comes from aprica near the temple of ammon. The tree is of the umbelliferous Rind. - Composed of much resen & some gum. - The dow is at. 20 g. - To und in pillula sulla May be given in water or vinegar. at_ : tenuates howefully. a good personal Much und in Grance. Bad in inflammations because it heats; & shouldes loo much for ulcerations. _ imployed externally to tumours . - - all the tribe of attenu aling pectorants contain an airimonion principle. Iquills are the part of all the alternating prectorals, as they eva enale mucus not only from the

Lungs, but from the intestinest! Inerapantia In the Cutarthus tenuis there is a thin mucus, for which the he ceeding hectorants would be improper Tufulago - Leaves & plowers, the 1" best. God in coughs with pyrexic, the 1.th Mages of heelie & in colleguature de awhow. It must not be loo much ball otherwise the decodion becomes better. A reems to be and you as well so de muleent. - The leaves of this plant prevent the excoration of the anus from Scarborough water. - Mod in vahour inhald into the Lungs. atthea from al too healing, the much by the ancients & by Boen haave. The root & Leaves are with, but the 1st not so much. - Both water & Spt. extract much muci--lage. - Doze in powder is 3/1

If is a good demuleent, emollient in crafs unt the _ In decoction &1 to lib! of water is a proper quantity a good antispasmodie. _ 'Tis onuch use in Shufters - in Syrups & ount ment. Tupula - a Sort of plumb growing in Greence & Staly - support to be horsonous before they are ripe . he food of the countries where they grow. Linum very mucil aginous of all. I in lib 11 of water, makes a very muelagenous mes infusion. Les in decoction. Excellent in clysters. good for formentations externally. Gum originally thin Muckens by ex horure to air - unular to muculage in almost every thing, fums depolor in wales, because as tes raid, they have much and united to oil - but Ina gaeanth tho' it has more and than

G. arabic, depolves more defficultly than it. G. arab imported from Turkey. Jenegal similar to it . - Tree West plumb The nature live on it for meny weeks & thrive herfeitly well .-To very nutremental. - The Larce an for anabia was del and 2 moths longer then usual - The ate their large of &. arabie & were very healthy. Does not hurt the stomach, therefore an excellent incraps ant in pigneria. Uso in acute Thermalism - with murep by Home. Tragacanth. Got from a shrub common on Ida in frete & at aleppo - Gels The shape of small worms from the man ner in which it is probruded - Dyrder in water with more difficulty than other gums - Usis cheefly in wiches & howders. - Distilled it gives more and & kep oil than (. l.

89 yf. to powder except the mortan he heater. oliban um. The hee & situation un known . It is beitter & inflammable hence usd for incense. Not volatile. Diascondes says it produced madness but this is not found. - breful in Theor albus - recommended in place risy. The Vapour is wid in probab olea expressa - come chiefly from the unctuous seed - The oil of mustaid is as mil as that of almonds. - Except the hories he ranced or volatite. Olive ail made chiefly in France & Spain - corrupted or Jarmenting olives que a worse oil . - Wirgin oil the hest - Oils are heavy - 2 dey They are Laxalue - wid for the one con won in cures of hardend forces - after system leng to bring off the ocybala - in

Tenesomes - 3 dey lisid as a pectoral when with G. ar. or with the vol. alk! _ Lithly as an Emollient _ wid after the bath along with Juction recommended in Dropsy, but ineffi carrows - except as in enables the skin to end we puction Palmail - Got from the coast of qui nea & the Cape de verd Talando & is usd by the natives as butter Sperma-ceti - Some Munk it a natur val betumen - but wends the acid-Said to be the general Liquor of the (ale dentata but wrong. Suppoid next the brain of that fish but impof--ruble. - 1768 a fish of this kind was cast ashore at Leith, & the sperma ce head to was found in a causely of the brain anterior to the brain. Was about

The constence of March - It is pure : fred by letting it drop, paping thro a cloth & being put in caus he Lee to destroy the corrupted parts. all the fat is of the same kind as the opermaneti - Depolves in water only by the help of intermedia. of is a dore ought to be depoted by G. arabic . - Less employed now than Jornerly . -Calanhus lenuis auses from anomony as well as lenuty. - 1. Because it ances from suppressed discharges, & from aired measmata - 2 dry the symptoms show this meezing, running from the more in Calanh, measles the - 3 dy the remed is which duminish inclation & correct airi mony elsewhere are hooper here. 4thly opium is a principal incrapant by tulling the nerves of a part. In conecling acremony they act Is on the aired matter in the throat, brachea It's - But they never can enter the macket where the chief undation is . The motion of the jaws may relieve a cough of itself. 2dy they will enter the vascular upslem & deminish airemony there. 3 de They operate chief ey after absorption by entering viz the mucis of the Lunga. Join to the aird recretion, they will cover it - by softening & covering the new of the Lungs. - Coadjutors - motion of the Jan. - Tablets, stones & hear - Emolliant andment rubbed on the breast will re lax & perhaps may be absorbed. - Yakous inheild-Mudge's inhaler had one fault-The expired air was again inspired, but murray by 2 values corrected this. apium is an excellent encrapsant ley Consinishing irrelation - G. arabic also - Incrapant out.

Hago, Salap, t.f. Sialagoga. - Salwa is found in all but in froh this found in the stomach The Castor because he feeds on haid wood has most of it - We recrele about a hound a day. - Evaporates easily. very viscis - hence promotes the may lune of resums & water - full of air Is wells in the receiver of the airpump. Is it septie? In salwahon to so, but not otherwise. - Is much allerd by directes & medicine . - of 20 3 19 were audulous water- The residuum was a kind of selenites - Masheadories, the imagination, mercury, mas mata as in Sariola- Juny the merease it. Eruca is aired but grows mild on Drying. g. XX have been given internal ly as a slimulant - & in the

paralysis lingua. Imperatoria - Efs has been given in haly Migella - If is said to prombe mulk & lo cure rabies comina How so the external scal agogues act? To it by oscillatory motions? - Explin cable only on the supposition of the rentrent principle Ariving the fleeds lowards the hast for the good of the ups lem - They sumulate the part - They emply the neighbouring vegicle -Mercury is the only internal sialogoque Regarded as a paison at furt from ells effects on Minors. arabians first em. played it externally in herpes & vermin Wid spenningly will the end of the 15 fenty for the veneral risease. In 1518 tis men tions as a remedy. - Paracelous or Make due frost use the various operations Tis found in an argellaceous Clay. whence to prepod & call wing in

By is found in hard stones - but cheq. by in the form of nature (instable Where there is little sulphur the dis Ullation is herformed her re, but in other coves, Lime, alkalines, or won are employed. Mercury. Clare's method -4 If the Saliva is not wellows no drawh as follows 5 To it absorbed by the Ly omphalies of the mouth only? by there chiefly Salwahon is hodied when no yis wall own . -Salwation is more strongly produced by this than any other method. This recommends it in hydrophobia not in Lues. - Sometimes a salivation cannot be produced - So it owing to a callons or palylie state of

The vepels - It answes equally were in topical & general Lues . -Calomel enters the eyelem dereilly, for no purging ollows the swallowing of the sales a. - May it he miligated by the muce lage of the liquors of the mouth? - There is a kind of temporary valivation. (alsmel must with honey by Clare - but this seems unnecessary - & may in creare the chance of going to the Storiach. -The antwenered hower of (alomel given in Boolus is not very strong - Here it hum ges much. _ More agreeable Their greary Jackson, disagreeable deglitetition, &: Is is safer their internal applications Salvation modules 9 dangers \$99 in conveniencies & 9.99 disadvantages; Therefore attempts were made to cure the disease is out salevation.

Talmanazar first introduced this aus. -tom - others, especially in 4 rance have implaced this martine. Which prepara lion is the most proper? - - Results from Epp! to cure the venereal disease wout saluation. External fuction wis by the French -They bleed, purge, Is we the hot bath long - Then they rub in 311 of strong cintment for some lime, then they con clude as they began. This is the Montpelier method, but is very im proper. - Sublimate dispoled in Spt. our improper - because the for! does not dispolve it well - heals the pale ent the But the sublimate is loo naurealing, los ains to often fails entirely- The and renders it los airi

to rufer a proper quantity of \$ to enter. Turbeth Mineral was breed in the cli need wand - 1/4 of a grain the begin ning - 2 grains were guen - but it Ow not cure ulcers. - Mercurus ma upilalus und in 2 orgr. a day-is an excellent remedy. - 3 or 4 g. of Sulph. antim prevents it from vom ding & purs ing - an opeate is sometimes requisite. The cenerous is preferable to the proof. her re, in every respect. -How do mercureals operate? Is it by evaenaling " No; for other evaluates to not cure the disease; the symptoms disappear before evacuation begins; broparations do got cure in proportion to their evacualing hower; & applied topically, destroys the or ins without producing evacuation.

Thomenogogues. To it venomous, arrino. mous or pure blood? It is not venomous, but neither is it altogether sound. "Tis acremonious in some degree. To they arise from general plethora? Galen thought so Is many things seem to move it. -Bout there must be also a local plethora. I welling is found in the Meris; the man ma sympathize; lowniqueto compreso. ing the Iliais promote the evacuation.

How long does the aliment take in hap ing this the alimentary (and 2 24 or 30 hours . (haly beate waters show this . But there are many varieties from many con cumstances. The falor is strong in carni vorous & stronger in the herbivorous. - The Jalor is owing to an acid combind with phlogiston. Homberg analy to them to find an ail which could fex 4. Water, oil earth "salt was found . - Catharties comprehend whatever quickens this discharge. Pamanus found in arabica & the C. Sailes & were introduced by the arabians. Tis green of boild in Jopper vefsels. They yeele a valt very like Martan. - They are gently purgative, antiseplic & cooling. commended them in dycentery. Capia found in Egypt, but not indigenous there . - Pulp is the only hart employed.

Mermodactylus used as a laxature by the arabians, & by the Egyplian women to make them fat as fatness is reckond the chief beauty there Manna diff from that of the Soraelites. Gathers from a prickly tree upon Mount Jaurus, & is named from the part of the hee to wh it adheres. Two marks 1545 affirmed it to be an excelation & was mood by Donalus. a floth but over the tree contained manna in the inside of it; open ing the tree, little bladders are found containing a juice ist can be condensed into Manna; burning wood of the ashgues it aut at the other end !! It pungeo gently & irritates little. and hunges & Mauna beller in the Lynen leng than The newhol Sulto which are replie, & than Rhub arb which bends of =

I bone is sometimes found in the heart of the Elephant, the stay, the ox & the old man It is commonly placed about the origin of the aorla, but ought to be reckoned morbed in every instance - It is wanting in youth & not uniformly present in age. The Gibes of this heart (the human are not in straight lines: - but inex brieably convoluted. The newes of the heart ause chiefly rom 3 sources, viz, the highest, midelle Glow. est cervical Ganglion -Thy does exastole follow systole of the heart. Some have fanced that there were libres appropriated to each action that the external febres produced relaxa tion, the internal, contraction But this is an ide fection - 1st The fibres of the

Theart are so convolod theat one cenn act without the other - 2 y When you in -rulate the external fibres of the heart so that action ensues, the heart contracts, and does not relax. Deastole is produid merely by the heart's ceasing to contract The part of the heart which relains to inelabely longest is the right awricle & that portion of it which is next the favor parti -cularly. The force of the heart is astonishing. It clevales considerable weights on the breast; it beals 5000 limes in a minute; it continues unremittingly night & day; & ne wer gives the slighlest sign of latigue It begins first to move in a feelis; is larger than any other part; it is first ex - ciled into action after submersion; &

, largest in the most vigorous anils mals- The ancients were wrong in giving The largest hearts to limorous animals The heart of a male exceeds that of a fe male as 6 to 5 - or 16 to 14 - The heart of fishes is less than that of burds, altho The Whale links have it large -But Fectuses have been found without a heart & after disease has destroyd the greatest hart of it, by ofsification, gan greene or absiefs, life has continued. Besides in animals of cold blood, life & mo -tion continue after the heart is low out or the great repels cut - The Totoise lives 2 days after losing the heart & after the motion of the heart has ceased it can be perceived in the Vail of some Frishes. Besides, many have denied that the force of the heart was equal to this task

The contraction of the Arteries has been brought in out to the heart The oscillation of the small vefsels by Whyth & others - This from the small-ness of the velsels cannot be seen. But will not oscillation repel as easily as promote The motion of the blood? No because the heart & great arteries are behind & morel. Hulchinson all chaled. The motion of the heart to our rarefied by heat The flect of cold in represeng motion is suffi - deally known. The heart lown from a fall bealing progonously was suddenly still a colo afflision Berther talks of the our being confins Grarefied as it were in a ghap tute The illustrates it by the egg after = bation, where the air certainly produces come effect in the circulation of her 99 Answers - the motion of a Fedlus with -out a heart may proceed from the Mo. ther. I small part of the Reart remain ing may discharge the office of the rest so as to preserve Life. The oscillation of the blood, after the heart is at rest, on ly shows attraction effect of the animals he very langued, the will not be percend - otherwise it will. Besides how can it reach the small veins but this the arteries? Yet Lewen houch says he saw it in the Yeins Might's principles are refuled by plain observation & Expt The Globules must be moved by a force exceeding the third has of their bown weight, for they move with

100 great velocity this the small vefsels by the sole hower of the heart. The force of the heart must exceed 2 lib - (No with he limits it for a weight = 51 lib hung on the Legt or land on the breast is raised by it. The arteries are indeed contractile but their effect on the cerculation is much inferfor to that of the heart 1s. In sympe the heart alone renews life, while the arterial system is lon 2dy In cold. blooded animals contrac - littly is very small - & in old men ofsefecation is prequent lattraction lof the repels is mading sible, because Capillanes while full

soit attract. Besides allraction comes honds to the quantity of matter where for the small arteried, which are thick on than the Veins ought to prevent the blood from flowing into these & the let be beins should keep it from as cend ing into the large ones. Oscillation never lakes place except where the force of the heart has been deminish'd It is ambiguous, tending qually to promote & retail (inculation. of oscillation did take place it could not escape the view. Besides the vepels do not contract or oscillate on the application of a chong ctimulus - as air, water, alcohol & chemi hoisons, how then should they to it from Inflammation does not favour the opi

" If contraction of arteries be the cause of circulation, the more vigorous the contrac hon the more rapid oright to be the cir culation - Consequently the vekels of an inflamed hart ought to be emply & pale but they are lunged & red. The peristaltic motion of the inter. lines is quite inapplicable to the artes real oscillation. The Theory of heat is contrary to act. In syncope Heat Does not come first & motion afterward, but the reverse! 2 by The our is sometimes, incleed generally so cold that it takes away heat from the blood 3 dy Heat would relaid as well as promole the motion of the blood It is a blind cause & outs equally in every direction.

The heart is the chief mover in this live sinels - It's pulsation is synchronous with that of the arteries both high & low - So this contain? farmot one obstinguest an interval between the motion of the heart of the crural artery? Haller Hawey & Say o; Too. Weelbrecht says he distinguished on interval between the ordery of the wrist of the hear - Monno pays nearly the same thing . -The force of the heart has been very differently assigned - Borelli has mude It 180,000 let - Heil has reduced it to a few &. The opinions & manner of forming them are los various to be abridged. It is difficult to form a very certain con total here, because we are incapable of as certaining, either the time or velocity, withour who no calculation can be made.

Whe resistance too is so great as to affect the calculation very considerably. The arteries are at every stroke delated, sometimes broken. the Years also; the breast is raisd (more however by the organs of respiration, then by The heart seven the weights be laid on it. Frechon, varying diameter of vefsels, vised by of fluid & many other causes of frection much be considered in order to form at adequate dea of the force of the heart. Throm the lexture of the heart, it's con brachons left the point lowards the base. as it is a muscle, it's intability has been derived from the Newco running into it - Mun has been attributed to the 8th pain - & many Ephts made. Cholanus hed up the par vagum with out even preventing the creature from ning. Willis mades a similar Expt The Dag

lost his voice, was convuls of & deed in a lowers having taken food after the open a formation by farting died in one or 2 days . - Boyle found the pulse in lermit, but the creature survived four days Morgagni had one that survivo the Exp! 10, another, 18 days. In other cases, such neps & founting have usherd in death suiddenly - Torretations of the oth parvagum ho. Suc no effect on the heart. When the inter costals (flow wh the heart receives more numerous branches of the tied, the animal died in 24 or 30 hours - Both the intercostal & sympathetic being cut, the animal ries, not To soon however as it would do, if the whole consibility of the heart were owing to them. - Indeed nerves may still proceed to the heart, from the cervical Ganglion, which is formed partly from the intercostates,

but chiefly from the 6th 7th 8 8h of the neck, & the 1st & 20 of the back. There Verves can never be divided without wounding the Blood-vefsels. The cutting of the spinal Marrow quickly Rells animals - at least so this said - In this way the Brasilians kill with oven. Yet Maller divided that of a Dog without his. ducing death, & a heas ant, whose 1st ver. · lebra sliped from the 2 by a fall , lived some hours without inconvenience. Irribation of the medulla does nothing to restore life, & The heart moves even after the head Is and Wither heart therefore has innate imitability In cold blooded arumals this continues long after the other parts are at elemal rest In the warm it is the most imilable except perhaps the Intestines - But in the

Feelus the heart is first initable: 107 You all the other muscles receive more numerous & large nerves than the heart, wherefore they ought to be more imbable, if that depended solely on the quantity or number of Heroes. Innumerable substances implate the heart. Gld, & heat - The last may be his perly employed on a shick & Electricity. Mechanical or Chemical stimuli too Our is one of the most powerful stimuliwhether thrown in by the Veins or by the the -racie Suct. - a Bubble air thrown into the currele of a pog, & enlangled in the vesaid blood, excited the heart to contraction, for 10 hours, & in a Dog for 7. It has exceled the heart 12 hours, or Several Days after death. The heart is by much the most im= table in young Animals.

10 8 40 show that the heart is implable inde -pendent of News Haller Days pt that it can be excited into action after The newous influence has vanished from every part. In a Sespent the heart can be exelled to motion 4 days after death. 2dy The heart continues moveable even of ler tis form out of the body - lold bloods Animals are fillest for this Experiment, Is fishes have often exhibited motion 30 hours after death. a Trailor mentioned by Lord Bacon had his heart low out It leaps up 'ses cuncem' at first, then diminished gradually, but continued moveable for 8 3 by Even a lille of the heart is more -able the disseled from the rest - The la, Torpedo to all show examples of this.

Thy Animals without brain or 100 newes have regular motion of the heart. Why then does the heart enjoy perennial motion? To it because there is a fury spark which makes the blood froth over as the Ancients spoke? Iso, for this is in popule. Sylvins impules the motion to a oneflere of the and pancrealie Lequor with the blood in the heart, but this is false Wellis produced a more subtle theory. in every point-He dweder the nerves into 2 Clapses; with More that went to voluntary muscles which used allemate rest, & More which go to the mos. bundary - The former he deduces from the cerebrium, the Latter from the Cerebellum. Syunes of the Cerebellulm prove fatal much more subdenly & uniformly than those of

118 Lancisius as onles it to the want of Gan glions. The newes which go to voluntary muscles have them, & by their means the androns of their fleed are subjected to the will & vice versa. Treelly oppose is The apertion of Leulais, as well as his reasoning- Gangleons he says are place in the ordal nerves, that they may break the power of the will -Objections - This sauce of Willis is contra duled by all anatomy- Many animals have no distinction between the ferebrums Cerebellum, others have not this last fart, yet their heart moves perpetually - Fishes & insects - Burs & Quadrupeds? 2- There is no peculiarity in the Cerebellum wh should give it's newer a preference. It has less cortical matter & is softer. That

3dy Mounds of it are by no means of! Jangerous as is represented - an alhishear who had it so wounded that he lost some of it, recovered in 20 days - School Tus & aleer have continued long without moduling death - Even ruem owing the fere bellum either in the Calus or adult, Joes not instantly destroy the motion of the 4 Many of the newes of the heart from the heart. cerebrum, & many nerves from the Gerebel · hum go to voluntary muscles. as to ganglions, that matter is extremely fanciful. The nerves of the leg, thich, & arm not to mention the pharpex & have them. Twammerdam, Piteairn & Friend, impule the perenneal motion to the want of Anlago. met Museles - But the heart has weights opposed to it - so have the intercostals & the

fitnes of the Intestines have actually anlago nists. On the contrary, the erector penis w obeys sense but its by no means a vo - hundary muscles has no antagonist. De Gotter supposes that muscular relaxa tion is awing to the compression of those newes on wh the energy of Muscles entirely depends - But then the action of every mus cle ought to be alternate. Stabl's spirion was that an intelligent principle regulated every motion, & that the movement of the heart the from nevelsely continual was as much voluntary as the accesental motion of the hand-fole nel Townshend could stop his pulse & respiration. Pout the mechanical sect make many

replies to this reasoning. The mind is not conscisus of any power over the heart, non can it by only effort, controll it's motions, But the Anni is as little conscious of any power over the eye lids, the unquestionably it does propels such a power-Most ascribes to the ruling principle, not understanding & consciousness, but merely a sense of inconvenience. In this only he differs from Haller. The heart is evidently much affected by mechanical stimuli. Besides Hahlt metaphy real lause does not explain who the mohon of the heart should continue ununter A voluntary muscle never paper into a sportaneous one (what then is (horea, spasm To Stice vers a . But the intercostals seem an exception to this. Do not say

114 that the repelition of exertion destroys the Jonemon of the will . For this remains unem paired over the Eys-did The they close 10,00,00 umes every day. Hay Gladiators can even prevent them from shutting this a stroke be inflicted. The animal motions are indeed often interrupted for days or weeks; thus the intestines extrete nothing for a long time; every symptom of life has vanished for 24 hours; Marcellus for 2 days; even for 10; Simperocles celebrates a woman who lay for 30 days without any sign of life. in other cases, putridity has beguin in The extremities - (which sloves the Analogy of (hypalites renders somewith credible) In all these; & in many still more most gious, the motion of the heart was re

without any consciousmes or exerti-115 on of the Soul. o The heart is certainly not the seat of the soul, for every power of it can be ex excess the the heart be low out a spanish Toldier in this selucation spoke & Bacons Malefactor prayed - The head of a (Konfecula (what's that?) swallows it's our domach sever'd from the body - a pog runs leaps to after the heart is cut out Jimi lar Exhits have been made ting other all Thors belialen mentions withins crying after losing their hearts - Now when the brain is destroyd, every thing ceases ex cept moded the motion of the heart, wh s carried on in folis's without heads 5 continues in many insects & ani nals after the head has been cut off Myth says that the Soul is divisi-

116 ble, so that hart of it may conti nue to animate a limb sever from the body, but this is gratis decliper_ a man Reels no part of his Soul cut off w. this Limb. -To account for the heart's mobility has ler says it is more inclubbe than the other muscles - Mence? Some say, from it cochlealed structure, others from dis brane ing libres, others from a petuliarity in il's nerves -These are not more numerous than elsewhere - they are softer, that is they have less cellular membrane which give hardness, but that is merely because the Sont need it on account of their deep cituation. The outside, like, that of intertines is little irrelable, the enside very much so - To this owing to the ne

being so spread out as to be exposed constantly to the blood? The atimulus is the blood - which tho colourless in a young (hick produces the efect - air does the same - But the heart beals the empty. The pulsations however become weather & weaker in hisportion to the lops of blood of the remain ing attempt to move moceeds from The small quantity remaining -The right side of the heart commonly re lains motion longer than the left - To show that this was owing to the blood alone Waller made the following Expt. - He lied up the vena (ava), & opens the pulmona ry arleny - He left the pulmonary warns open, & led up the arta; in this way the right side of the heart was emplied while the left continued full.

118 In such cases the left auncle & wentrede uniformly relained their motion longer their The right by 4 hours - The right auricle con immediately - the right Ventricle, acted lan quidly of Leas'd apoon as it was thorough by emptied. I all there things show that blood is the proper elimites from whence the motions of the heart proceed. My is the right auricle more vio acious than any other part of the heart? Because the blood flows into it from the seins, & excele et do contract. Ils contractions push The blood into the right Yentricle which also contracts, but not so easely nor he quently - The left side of the heart re cewed it's blood from the Lungs which cease to act before the heart, & as with out their action no blood can be his pelled into the left side, that hack is

cooner deprived of its natural sliminelly las- Hino toturk. Sometimes prepure on the breast by forcing the venous blood into the auricle, trecalls Lefe . In this way Vesalus regenerated a noble Palent whom he breed to open too soon & being sent to Serusalem died an Exile at Jacque Why is there an alternate relaxation & contraction? Belline says that when the ventucles are full they compress the Serves of the auricles, Whence these are relaxed, & as the one carrly is an anta. gonest to the other, this Wappens in cefsuit Viewsens combind the fullness or empli neps of the coronary Arteries Perrout supposed two orders of libres, one of which alternately oversame the other. Browne Dangrish adopted it.

Theoem believes that the valves of The Aora are so place as to be shut by the blood expelled from the left Yen -tricle, and that the coronary arteries receive their blood not from the contract hon of the heart, but from the subsid. ing of the artor. The Spirits are anta gonists to the blood, & the libres of the heart are extended by the blood going into the (oronary Arteries, & are relax) so that the blook forms the Trastole . The heart now left to itself is exciled into contraction by the Spirits, & drives the blood into the and while the mouths of the Coronarys are shut by Valves-The coronary Kaluks being again related, the same events happen again in course. -

Mishellius believe that there was an opposition between the heart & Dus Mater - The contraction of the heart drives blood into the Dura Maler, over comes its resistance & forces it to be relaxed, which relaxation cuts off the supply of There's from the heart & forces it to relax in it's burn Elated with vectory the Dura maler unwairly contracts furnishes anew spirits to it's antagomest- Sie in ceternum. -Boerhaave with much ingenuly rea son'd thus . - When the heart distends the Ada with blood, the Serves which run there are compressed & their influence in · tercepted so that relaxation takes place. Besides the mouth of the Coronaries is shut - another reason for relaxation . -

122 Leutan thinks that distension of the fa vilies produces compression of the fibres of the heart - hence pain, & contraction! _ Mahelin explains it on electrical prin - uples . The heart is non electrice, & being electrified by the nervous fluid it contrag comes into Contact with the blood, which is likewise not electric \$500 descharges its electricity. Allernate action & relaxation is the law of every muscle - Poellin's theory of com mession is contrary to fact. The blood has very little effect on muscular action . Ligalures on the Carolids Font affect the muscles of the face; halsy Joes not follow culling the bracked artery, nor does la frog lose it's museular howen on losing it's heart.

The Values of the foronary arteries are the Whous; the blood flows into them during he contraction of the heart, & the they be cut out, the motions of the heart continue. The Dura maler is insensible & immore able The as Iserves of the heart do indeed by between the great repels, but so as lo. admit very little pressure - Besides there are many others - unconnected with the great Vepels - (which serve both for sense & motion ! Prepure such as is regular would be painful - Is even cutting the News does not produce the effect.

124 Haller Jome 11. Quantity of blood. The most simple way seems to be, to emp ty the vefsels, weight the blood & compare it with the weight of the Animal-Thus in a sheep it has been stated as Meil3? In a Lamb about the 20th In a goose the 30. Moulins therefore as limetes the blood at a 20th part of an animal's weight, which gues about 8 leb lo an Adult. But these Expt. are by no means de : cisive; The result is variously stated by others; I relincourt obtained a 10th part of an animals weight, Moor & Hawey a 12th & 11th - Besides, much blood remains in the small Vefsels & larger Veins after con animal has been bled to death - Say much remains even in the Arteries, for it rises in them to 2 feet & 5 or even 10 bunces immediately before Ideathe.

other Authors have bed to resolve the question by considering the girentity of blood lost in homorhagies, which is immense By comiting 30 let have been rejected at once, & in the same paroxysm 202 lib. a hysterical woman was bled 1020 times in 19 years & was at last evid by blood bursling out from her womb. - a gerl of Pisa lost every month 135 3, & was blot every day, or every other day. - The blood of a man may therefore be estimated at 27 or 28 lib, which is to his weight as to. The lean have more blood Man The fat; the Jurce than the tame, the young than the Told; the warm than the cold bloosed. Suppose the Diameter of the Arlenes 28 that of the Veins 3, the former well contain 3 parts, the latter 9

126 The Ancients believe that the Anteries carried air, & the beins, blood. This is relute by the finalation; however tis still believed that there is a difference in colour IT. below The venous & arterial blood at least in the cold animals. The heat of the arterial to that of the venous has been stated by several as 97 - lo 94; 100 to 95; 99 lo 97. Hammerschmidt makes the art! blood lighter Than the venous as 1404 to 1414. Helechus on the contrary makes it heavier in the proportion of 28 to 14. - The results have been so opposite, that we must suppose the thing subject to variation . The heat & colour are also subject to variety. The art is general ly reckond warmer & more florid - But bloom Frawn from an artery varies as it flows. The same thing in a veen & in different

Martine could dis cover no difference in the heat & substances produce similar changes on the arterial & venous blood by mixture. Various diseases & poisons change the co lour of the blood . Thukland mentions a man whose blood was quite thin & colour, less from extreme famine. a while substance has been some times found on the blood, possessing every property of milk. 3 parts of the Inole Have been found milk. I Polood coaquilales spontaneously both in heat & cold, more readely in the latter Mong men, men subject to inflammation, gout & have the furnest congulum - It conclumes takes place even in the long body & forms their disease in houses ash is called la gourne.

Many refer polypi to loagula of blood forms after death But get the appearances are different. A polypus has a grumus for a centre, round who a white Lymph is formed into a kind of clastic flesh. New Laminas are added in progress of time 2 dy They shelch their roots from either cavily of the heart (& they possess each naturally) to the neighbouring velns & Arteries. 3 de The part is extremely enlarged -4 thly Most dereful Tympiloms precede, as faint ing, halpitation, breathlessness, hain, apoplexy, sudden Seath, & sometimes Dropsy. Whalever impedes circulation, favours the ruse of polypi - Pulmonary Empediments, ligalities, anewysms, weakness the Do auss or Spirits, which injected into Years coaque Cale the blood, produce the same effects when

drunk? O Grains of nutre injected into a Dog by Clayton, suddenly kills him this Malpighi obserod only an increase of usine how a similar injection. Sea salt injected Sproduce thirst only. Solution Tart ar intech ed kills - To say the truth, so do oil wa ter the lel the neutral patts encrease the loidity of the blood-especially nitre. Tal merabilis & some other substances aken to it coaquilate the blood. Acids produce difft Effects on the blood-Regeneraled Tarlar Keeps the blood fleed & Kord- Vinegar Joes not aller the consis. Hence, but changes the colour into the most des agrecable lived. Freend says that The distilled cougulated the maps - Injected it has been sometimes said to kill, some

130 Alum either does not coaquilate, or does not destroy the red colour - Injected of kills Vilnolie and of strong coagulates & makes It of Is the expected, changes the blood into a clay colour, & gives it the consistence of an dintiment- Pours on the blood it waget -lates the Maps. The Alkaline salls have been long hought capable of producing atmilar of feels. & have been reckond antiddes to the Acids - They increase this said, the colour & fluidity of the blood. But Quesnai Juine What Sol Parton freepass the har before The Congular converled it into a syrup with a while Coaquilion - Polood with latt of deft regetables, was change into a hard loagulum: & that the Colour was

Spirituous Leguors, or inflammable ones 31, strong coaquiate the blood also - Volable bile satto induce a pellecle like pleante (resor Cunamon-water, a thin concretion. Lauda num rather favours fluidity - Int Vini in creases the specific density. Arsenic, the most deady horson, coagulales blood & gives it a fine colour, as outre does, while Vinegar ad salutary arti--cle of food, gives it a most abominable one. Had & Alkalis produce nearly the same effects - so unequal are such mix - lures the ascertain the nature of blood. Severe exercise produces pulvisely in the blood, fewers of the most frery kind & death deely- an aid-de lamp perished from fa lique in the day of battle - From a quick Journey under heat, a fever of a true

132 hydrophobia seiz'd a public runner-Mo tion here produced something like the poison of the Mad Dag. Convulsions have been known to produce the same thing. Fevers produce remarkable disposition to hutrefy - alcers have sometimes knock? down the unwary as with Lightning. The Samel wind produces disolu han in those on whom it blows . _ In sawy & Rickets the humours have been found inconceivably so as to execuale fenders & depolve Linner; & so pu hid has the breath sometimes been as to kell both flies & birds. More winous salt than usual in the blood. Unne, water of Ropsies & hydalids, & neces have all been rendered intolerably acred & faction; In syphilitie Glands & espe

- wally in Concer. The smell of one in 133 his wifes Mamma kill & Bellingen, a willer of some note. The liquor discharge change retrup of Violets, into green Rashle lasting it kills a Surgeon, who relains to the last, a sense of the horris flavour. Pulsefaction among other effects evolves a great quantity of air . Whence the feet meat bye at the bollow of water, when it begins to pullely, it risses to the loh supported by many bubbles . In Securely this effect from the blood serum & solids resembles emphysema. Polood confind in a glap, swell'd after & hours, ethittes an acris vapour, & When burst the glass with an Explosion. blood in a wound forms a polypus, & falus, are carried about, for years without her

134 a shut womb - Calcareous Earth's pro. mole putrefaction - Some think all alkalis do; & his faid that the plague breaks out first among washers at Constantinople on account of the Toak employed. Tany thing pulled, whether Land Animals, Mellfish or regelables as labbage is most her. necous to the health. -To there no acid in Animals " ants have long been famous for yielding one - but young ones I out . Many other insects yield an acid too - a woman whose bones were soft had and Exhalations from her Might abdomen - Many animal dubotances parti welarly in youth yield it - Twice of Caloes, Milky.C. The proportion of water varies, both ac cording to the mode of making the Expt. &

according to the health . - Some evaporate only the insiped part, others, leave only the dry grumous part. It has been very ge nerally rectioned to contain to the whole When all the weitery part of the blood has been raised by the heart of boil ing water, a grumus remains at lot--tom, that efferoesces with acids - by an increase of helat, an only, bitter, yellowish lequor, of a uninous nature rises, & it has been called The spirities Languines. Tis composed of the volable salt of blood defsolod in a quantity of serum - a dram of which can diffolive 27 gr. of the salt. VI smell & efferves cence with duts readily betray it's allealine nature. Besides this sell there is oil con lains in the Spt Sanguinis for it make

water milky, efferverces with the ni trous aid & pull on a crust of various Colours. It has so much accordy that after a little delay it tinges the juice of the Sun-flower red. _ Sometimes one half of the dry gree mus has been found What - at other lime I of It weak & betrong - & thus 12 or 18 of the major of blood. De thus 12 or 18 of In gout, hypochonomiasis, & dienogues the usinous part of the blood is much in -creased - From 2 lib of bull's blood I lib &ix of Spt were drawn after the Spt & along with it there ascends a pungent Volatile Salt, exceptively penetrating. Tis ramose, but the particles or · amind Teparalely are parallelopipeds - Thead.

· Islan of Quickline, produces more & gloomer Int with less Salt; whereas the addition t of Salt of Tartar produces the opposite effect. It eferresces violently with acids. The quantity has been stated at many intermediate numbers between 100 x 26. Fevers increase the Quantity. a yellow oil rises next, It efferoesas with Acids. The Lucantily has been Waled at many intermediate Sumbers between 80 I. The Quantity is offected by descares, The the thing itself bed probably the pro--duct of live. The charcoal of the blood which remains, is not a caplet mortuum, for it Contains many Satts. - His proportion has been variously stated as 15 8 % - a great of From the Charcoal is obtained a ford last, resembling both marine salt

& alkaline. It's moportion varies. The right subclavian Artery is larger than the left, but the degree is we by stated. Haller has found it as 35 629, 27 10 25, or 24 10 20. Jennac makes it as 23,309, lo 15129. Sylva as 18 lo 14. Hence The preference given to the right hand.

a filed 10 months old died very much maicated, & with the head greatly swollen. he complaint had begun at the age of 2 norths & continued tell pulsation readd, to days before cleath. On defection the bones The head were found then pelleuced & sepa rated from each other by the distance of the vatured. - The Jeguments were thin. That sur ace of the brain was pelluced & the substance was to compleally absorbe that in many all it was not a 10th of an inch thick . he entricles were surprizingly enlarged, Genlarg'd How. Isls run along their basis - The cerebal um was oft & flacted but contained no wa er. - The whole Brown & membranes filld an unt measure, while the water contains in the entrestes fills 4 pints & a half. Some of it coagulated) with boiling heat, heaving a relike whey in colour & consistence.

140 a ghild 6 or 8 days old was seize with an Eresupelalous inflammation about he na wel - which guiltly became lived & spread on the whole abromen, scrotum, penis & part of the face. In I days it died - On opening the body we found the black colour no cleepen than the firm which was not gangrenous. around the umbilieus there was an appear ance of inflammation in the cellular substand & muscles, & several small ulcers emilled a considerable quantity of pus- Timelar ap heavances of inflammedian were seen along the surface of the personoum & in many harts to that small Intestines. The scrolum was very much wells, owing to a Rind of substance very like Telly which yielderto little water on prepure. The resticle was buried among this substance, but it was John J. Cet 20 a Weaver of a heavy make habit approaching to Leurophlegmatic. Mouher sow him - He had violent hain of the head cheefly in the fore hart. I below To bra ther full & sluggish. The complaints began on he placeding thirday, after considerable feeling { cold - They have indead since. Nook boalts In Sunday & to day applied Leaches to his Temples. ed. 7. Read not relied by the Leeches. & Jame to Glasgow arm. 1.60 Jule & sluggish. Pain of the head orolent. Was bled to \$x in the Evening, Delorum & slupor came on . Head hand. It at night Blister applied. gh I Marshal called. Delirum & sluper com Linux with temporary remissions. P. 60. To Day & resterday frequent Dirtchings of the muscles of the face of perking back of the head . Hed to a round. In the Eug Delirum & slupor increase. To order the Saline mixture this the night 3th a.m. Supor & delirium increas d. P.70 Mook all & Manna. P.M. Delmy Shepter still in reased. 3 Stools from the Saltor a Large blutter phlied between the Shoulders.

11th Jone remipsion of the Sluper & Delm this the night, but they returned & increased lowards man ing. Pupil of the right lye much delated & is sensible to light. Some aemission of the Mu hor about noon, but it increased in the log with total lops of Speech. P.M. Complaints The same . Took falomel. g. V. derum repet. si nulla her noctem catharris. 12. am. Selm& Super less. P.go. Took both Bolus's without effect. P.M Took Talah 3/s. Delmy Shipor mulh increased. In the 2093 stools passed insensibly. Irine made insen cibly laday & yesterday. 13. Worse: P.M. Labortous breathing. It Died at 15. Head open). The Longitudenal Times good with black Cloaded blood. The refiels of the dura Maler somewit tung id. The whole Surface of the Brain unusually red - The large wefield uncon monly tury to , & others generally investle, dished by seen. Toumerous red hourts appeared in The medullary substance when cut.

about is of water in the Ventrules, their lerior surface of which was much disto with blood wefsels. Those of the plexus (poroides were harticularly tunged. H's celle lar substance was distended with watery we seles like High atids. In this case the Vefe sels in the pea mater, were much more him. ged than those of the Dura. - There was elu hor & Delerund but no Phrenilis . - Might not early evacuation from the head have land this weelch? - Was not the effusion of the water, murely the consequence of inflatin malion? - Was the water effued, the kauker of the death? was it not rather only the effect of the inflammation which produced belthe Rumplosons & death at last?

144 Alex" _ at 83. Nout & black Dec. 1485 3 years ago had a difficulty of paperng wine which was a little tings with blood dome small stones were then passed. a fortnight a go his forplaints returned with a total sup preprior of wine . For some days the Cathelier gave him herfect relief, you the first apple calion, after the wine had been relained se veral salp, drew off more than a seotch pint. I days ago when Whe fatheles was introduced The palent felt unusual hain but after some resistance it went the ordinary length; some blow however were all that came away, Mean-time the distention of the bladder increase apace; & after repealed todals no water came away. The Cheker went on early hell it came very near the neck of the bladder, when all at once it met a resistance which coids not be over come without violence & hain . Polood always follows the smalled violence. The finger in the rectum discovers, the Catheler out of the wether. Injections of different kinds were given both to emply the bolovels & chimulate the bladder but with out effect - The warm beeth Dover's powder Bopilim were also given, but without any alteration on the eymptoms of the bladder. The pain was a little dimenes to Being now convenied that there was a lopical com plaint, we left the unhapty habent to his (ate. He retained his wrine 3 or 4 days. on the end of the 4th a considerable heart of it came away, but whether there was any More among it, was uncertain. about mis night to Jany 101 1786 He was opend. The bladder was still considerably des. lender containing between 18,2 hints of wine. It's water were amazingly thilk in almost every where above a quarter of an inch, & the internal surface bore every

146 where striking marks of inflammation. In some places it approache to a lived co. lour. There were four stones in one corner of the bladder, weber the right neck. The most remarkable appearance however was the prostate Gland. It was compleally schin cous & extremely enlarged in every dimension, not less than 20 limes larger than it ought to have been. It was more than 3 inches long, bas many broods thereal hard humours were felt in defferent parts, & externally several bodies like small garden pear could be sque out. It seems to have shut up the within very compleatty & to have prejed very con ederably on the rectum. The greater part of the wether was inflamed; within an inch of the prostate, it was black, & broken at This hart the fatheler got out behind the mostate on each side, chiefly on the left which was inflamed, & where the Catheler

was felt this' the rection The Verice semi nales & lo were quite sound . Hardend faces were contained in various parts of the bowels, but none of them nor indeed any other hart was examined to accuracy, a Shoe maker cet 60 was seiz'd some weeks ago with a hain in his throat. Byx by a Tumour began to appear on the fore side reaching from the Pomum Wami to the cardid on each side & 3 inches along the Trachea. after violent symptoms of inflam mation the tumour should signs of fluctua tion. Tome time claps'd before it was opine. 30 of good pus were discharged, but the hardneps round the edges shell continued & no symp tom was abated. For some line the breathing had been laboreous, & deglubilion first def ficult . Then impracticable . The alternit modered not only hair but consulsions.

148 Sounshing flyslers were given, but the re Speration became more laborious; the l'ulse eury Whe Pahent died. The body was opend. The edges of the rumour, the only parts remaining had nothing particular in their appearance. The Tracked by cande light dis covered little remarkable; but day light disface from the Larynx down to the whole even of the Tracker. about the middle of the Tracker. dophagus too there were eigns of violent in flammation. Isothing morbed could be dis covered about any other hart.

Poor's House, - at 32 Well made & soutlook ing. Has had several Children Janky 6" 1786 I've months ago wers seized with some anomalous complaints, which she could not well describe. The had a pain in her back Thysterichs at present the has a hiely compleant pelsy depriving her of all hower over her legs & diminishing why much that of the doms. The can however speak. There is a very great swelling reaching o wer the whole absomen. It has haid, elastic Is lense; with an obscure sense of fluide alson at the lower part. Some matter drigreles away at the anus & wethra, & a dose of salls gave her very compleat papageths without deminishing the size of the tumour. Pquech . thust intenso . Jaco flushed respira tion difficult. The back was mortified some days before death by the factor of the breath was intolerable. After death much water came away & some matter from the Anus.

150 on which the belly subsided very consider. ably. There was a compleat necrosis in one of the legs. On defsection, there appears some ocallerd marks of inflammation in dy ferent parts of the albomen, particularly in the middle of the small guts, where there was a small postion very lived. The caput coli If the sigmoid flexine contained still a quan tity of air, but seemed to have contained much more before cleath. The intermediale space of the same gut were guite emply which mobably was not the case before death. This whole gut seems to have been fully distended during life. Isothing morbed nor indeed particular, could be diseowerd in any other part of the almentary Conal . - The bladder was very much distended, the it felt herfeelly flacid. His coals were thicken'd & it's capacity much enlarged. above 3 english hinls of high colour

melling wine were taken out. The han creas felt very hard, but on examination was not scherrous. The cyslic Suct was filled up with a stone & in the gall blad eler there were 20 of the same size (that of pears besides a number of smaller ones. These were floating in a small quantity of gall blackish & about the consistence of coffee grounds or then Tar. Holes. Undoubledly the Tumour was occasioned by the distension of the folon, but what occasions that distintion " Was it a paley of the Intestines, or the pressure of the bladder against the os sair um, squedzing the gut! Why was the bladder cleely so much distended, that there was no mechanical obstruction apprears from the people all righting. Were it coals paralytic " & was the druggling owing merely to the mechanical distention? Might not the woman have been said? Was one dose of Salls enough here? - Theu!

A Stocking weaver dies very much emacated. For some line he had been unable to swallow freely. The food passed easily down to a certain point, but from This point it was Known back . anlishes. models had given him ease, & live a be fore his death he had spit up how with relief - On opening his body the following appearances presented themselves. On removing the Tracked the asopha. gus for the space of three inches above the cardia felt as if full of hard separale lumous, some about the sure of a bean, some running almost round like a ring this which the finger could hardly

be thrust. On the poster wor part of the asophagus there were some small black globes, which when punctured emitted black blood. They were about the soze of a pea. On opening the other lumours & rings, few came out from some, shers had a scherous appearance. The whole insule of the tracker as ophagus for less inches and a half was black, har heularly in that part which had been joined to the Tracked, or rather immediately below the division of the Tracked into it's two branches but whether any concerous herfor alions had been made before death or not I cannot say. The whole inner surface of the black part was rough, & full of erosions which in some parts hed formed little unuses

154 whose lower extremelies henetraled al most quite this the Cesophagus. Be liven The extremely of this morbed hart & the cardia the tube was more red than in other parts. a little below or immediately over the Cardia, on the upper line of the stomach there was a small tumour, like a little walnut, to which part of the spleen seemed to atheres. But this he mour did not compress the fard in the it might occasion irrelation there. about & N of pus were found in the lavely of the stomach.

Glasgow July 2. 1786 Jenny Rowny at 13. About a year ago recewed en blow on the right side from a brick thrown at her, after which she was seized with violent pain, insomuch that she used to start from her bed with sudden shirely & moved with difficulty. a variety of re medies were imployed to expell the worms from which the hains were sufhosed to originate. Some of these logether with country air were of use, at least she became easier, but some months ago began to swell, \$13 english pends of water were drawn off. Many

155 medicines too were given but with. out relief. The swelling indeed ceased, but the pain continued und iminished-Breathless ness came on; her vesage ac gures the heclick here & she died in Thong convulsions. Before opening the abdomen, felt it very carefully. There was no hard. ness about the region of the liver, this the Patient had complained of hain there. The belly was soft & not much On opening the abdomen, the surface of the small bowels appeared lived, rough

covered with small while rough exorescences, from the size of a mustard grown to that of a white pear. Every part of the small guts ashered to each other. and the arch of the Colon athered likewere to the parts near which it pass. In the left Heum the sigmoid flexure was much thickened, had several ma ternatural adhesions, & was studded all over with the while excrecensies alrea By mentioned. They were most nume -rous about it's mesentery. The stomach was covered by a thick fally membrane by which it had been firmly united to the for-

157 = cause surface of the liver. Il's convey surface athered to the ribs almost in every point. on alling into its substance no. thing particular appeared. The spleen contained a small quantity of pus. The Thorax was not examined. Here is an inflammation of the bowels which has lasted very long, and be fore producing death, it has no duced atheoron, effusion of coagulable Lymph & fusion of water. It began hobably in the perdonoun near the Susciences where the stroke was received.

John Warwick at 30 or upwards a for-Ion Spinner. Was in the army about 14 years & received a hurt on the side. Some month, ago, after a variety of anomalous symp. -long, he was suzed with ordent cough ing which brought up 3 or 4 english punts of frothy blood. He was hot & much pained, sweat flowing from every power. EXII of blood were laken away from a large orifice, and some vebriolic acid was given , after which the homorrhage ceased, & never appeared afterwards. Speales with much age queled

139 cough so much that he slept frelly well, and acquired strength enough to wash about, but the cough never left him enter by. at last it became terrible, accord panied with dyspnoa wolent pain of the breast and after being worth daw, to a skeldow by most exqueste suf--ferings he died July 9th 1786 Before we could open the thorax we found it necessary to emply the al. Jomen which contained & scotch purls of water. The Gmentum was compled. ly wasted. The Liver was smaller than usual, and seemed harden. all The

other bowels were natural. The Carlilages of the ribs being cut to the sleenum raised, a hord scene was presented to view The upper surface of the peri carchem was covered with a frother gelalinous substance. Ils sides adhered firmly to the concaue surface of the left Lobe of the arings. The con ver surface of the same Lobe athered to the Rebs, the verlebra & the Ecaphragm so firmly that it was separated with great difficulty. The left Lobes of the Lungas being laken out & examined, their substance

161 was full of bubercles, many of which were filled with pus. Several branches of the tracked communicating with these Subercles were also filled with pus. about the middle of the convex sun. · Jaco, numerous erosions appeared, com municaling with each other & pene braking to a considerable depth into the substance of the Lungs, which were every where more solid & hard than the Iwer usually is. The lowest Love on the left side was in every respect the hardest & most morbid. Over the arch of the Aorta, just when

The Tracked decides into two 1617 branches, There were several sub stances about the size of a Ches_ nut; and others of a similar nadifferent places, from the we of a common hear to their of a net. The surface was smooth, The substance uniform, soft, of a pale brown colour throughout. They seems mucous Clands enor mous enlarged. In each ventrule of the heart there large polypi, occupying a con aderable portion of the courty, & run neng from thence 3 or 4 mches into the

163 pulmonary artery and the Aorta. These polypi were of a pale yellow colour, prelly tough, smooth on the senface, and in the interior parts when broken, about the consistence of coagulum to which I suppose they owed their origin. along the inside of each ventri. cle, round pedestals about if of an inch in dicimeter firmly united by one side to the substance of the heart, shood up to the height of an inch. From these as from a root the columna carned arose. They resembled the substance of the heart enlirely, but must very

much have deminished it's cavitles The inner surface of the ventricles was more rough & full of hollows than would. The left aurecle was remark ably small, awing of suppose to the small quantity of blood which it re cewed from the pulmonary veins. The substance of the Lungs in the right division of the Thorax was less injured, but there were some tubercles & a few athesions here also. On some hards there was a sling film, and hart of a similar film effused into The cavily logether with some blood & water.

P65 on examining the bowels, we felt something hard about the duct of the Pancreas. The hard ness seemed to arise from a lumour of some glands simi lar to those already mentioned in the Thorax. - Remarks. The frothy blood mobably got into The extreme refsels of the Trackerat The parts which bore the marks of erosion. The various obstructions, luber cles & ashesions of thedungs not only reposed respiration painful, but obstruction De circulation so favas lo hiduce as cites. It is wonderful that in this sale he lived so long.

Had a remarks able deficulty of breathing Kace flushed; voice hourse; Pulse small about 120. Prior to her present com plaints was much addicted to spirit tuous liquors. Has bled livice; & blis. leid without relief - Died. On opening the Thorax ashesions were observed on each side of the medienste num, partly to st, chiefly to the ribs. The where love on both sides was much diseased, being solid, unequal le hard, full of little ulcers & totally stuffed with blood & mucus. a consivertible quantity of hus flowed into the cavily of the Thorax when we cut

16 yout the left loves of the Lungs, but we could not determine the hart from whenew I flowed . Just over the dio is ion of the Tralhear we found some hard to dies about the sixe of small nuts. They seemed to be mucous glands, and one of them contained a stone. as the Lever seemed to hush up the Deaphragme we cut into the about men to examine it. It was much in creased in size; was hard; of an ison color with lived edges. Hardly any blood appears from incusions into it's sub. . stance. Is everthelep the gall-bladder seems full of bile AB The whole maps of Lungs was so affected that the opening of the dernum Sio not make them subside in the least.

James Purdon at 6 months . very fat & healthy - Ever since buth heid his breasts distended with milk, which was regularly Drawn every morning. Aug 1 23? a fort. night ago the mother omitted to draw one of the breasts which is now hard & swalls.

A cure for Scrophula from the Garette de sante. Belr. 1986 Ry Aquevitos or Brandy 3XX Palis volablis fixi concreti Radicus Felivort or Balmody a 31/3 Let these be infused in the Liquor for 24 hours - after which let the roots remain in the liquor as it will this be come stronger. a lable spoonful should be laken before dinner, & another before supper.

John Jop at 27 - Served as a Marine on board Reppell's fleet on the memorable 27th of July 1978 & cet that time received port of a grape shot which shalled his arm & entered his breast between the 30 & 4 h rib. His wound was so far and that it gave him little uneasiness, but shill continued o. pen . However, having mound his discharge he returned to this his nature city & wrought at his trade which was that of a Polack Smith. For some time he seems to have had Whe complaint except a short cough & some degree of breathlefones; but I years ago he was seen with great pain on the wound & side, the wound discharge an uncommon quantity of falis matter, the whole side

looked red, & a hainfal lumour appeared about the (arbelage of the 7th rib. He had applied to many practitioners, from whom he had received emollient our ments, pury. ing pills, shengthening howders, a chord & I know not what. In the beginning of win. ter he sent for me. I found the hain of his side so intolerable What he could hardy more without orging; the skin from the upper wound to the left hypochondrium was of a fury rei; upon pressing in the ribs, matter flows out at the upper orifice, & upon preparing the lumour below it evidently seemed to contain matter. In this place the Patient insuled that he felt a bale, & f agreed with him perfectly. As he was reduced to a herful Meleton, as he had a violent cough, diar rhoa, heelie sweats & almost every other

bad symptom there was no encouragements for performing an operation; on the other hand, he was in danger of immediate death, his hain was extreme, & the operation was perfectly sim ple. For these reasons of did not heschale to propose it, warning him at the same time how little he had to exhect from it. I should To injustice to the spirit of this worn out as beran to say that he acceded to the proposal. He access it with rapture, lestified his re signation as to the consequence, but wish if he could not be said from death to be band at least from some of the hain which he had endurd! My Friend Mr. Mondeith visited the Pale ent, asued the operation & not only performed at himself, but supplied the Palient with me Decenes. He cut pretty deep upon the time

mour before any maker appears; at last it gush'd out in abundance, & this ragged piece of iron was taken out from the bollom of the wound. The patient was instantly eased. He elept soundly, lay equally well in various postures, coughd little, toute a good deal & once or lucce ventured into a garden to enjoy the fresh air from which he had been so long recluded. There appearances swelld his hears with hope & he began to congratulate himself as a Man deliver from the grave after the ing louched it's brente . Several circumstances however show's us that his hopes were decid ful. Even in the fullest inspirations the left lide of the thorax never appears to be delated, the incision made beg Mr Monteith soon heald, but the upper & original one never closed, on The contrary it continued still to pour out mad. ler as before, the in smaller quantity X with

les fator: besides, altho his stein be came clearer, & his strength more and, he continued shell lean, shoriveled & ghastly, in spile of a good appetite, strengthening medecines & now rishing food. - He were still more alarmo by fils of sickness, cough & diarrhea attacks. ing him after short intervals, & at length he died compleatly heclick in the 3 or 4th month after the operation, after having enjoys some weeks & many Days of comfort, the none of herfect health ... I We had found many conjectures as to the course of the beell from the inside of the 30 to the outside of the 18th wit & they were confirmed by the appearances on defection, which I was very anxious to have shown you but could not, for which reason I shall state them as In linelly as I can We began with opening the place

from which the ball was extracted to disco. ber whether it's course had been without the rebs or within. We found a bag that had con lain'd matter reaching from the cartilages of the 4th 8th & 9th rib, backwards about I meh es & upwards beloveen 3 & 4 .- Beyond these limits the parts were natural, so that there was no communication between the upper on. fice & the place where the ball was lodged. Between the 4th & 8th rib, between they are The Deaphragm there was an opening into the cavily of the thorax, while almost the half of the as rib in the part next to the opening was consum's & rough but perfectly free from care. We next the cartilages by wh the rebs ashere to the sternum then having sawd this the ribs at their posterior angle, we lurid them back so as to discover the whole left cavity. With this the original wound communicaled very evidently. The upper lotes of the lungs

ather in several points to the parts above. the pericardium was very much thickend, seemed also to have atherd in various points to the pleura of the ribs & contained a considerable quantity of water. The upper labe of the longs was of the natural sizes, but was soled, hard & contained some mallen, but the lower love instead of being of the nalural size was compreped into a size mat much exceeding that of a walnut, & not unlike the labelus spegelii in shape. From the 30 rib where the ball originally enlerd to the The where it came out there had been one immense leag of his, some of which still re main'd, while the traces of the rest were her feelly apparent. The internal surface of the rubs beem'd bereaued both of perios leum & pleu ra, and the red libres of the intercostal mus Is seemed to indicate also a total want of

the pleura, while the hericardium & the lower lobe of the langs were covered with a glary maller & a thickend membrane. The axillary gland was increased to This enormous size . _ Remarles. The hoper lime for extracting this bet of war was allowed to go by; if it had been moherly improved there would have been a very considerable hance of recovery, the The left lings must have remained nearly weeles by would beside have her very hable to injury. N.B. always connect he cent complaints with the hast his long of ye Sahent, & never neglect the feel ings however became or unaccountable they may appear. This hoor fellow often said he felt a ball moving down his side, but he was always afrured it was a mustake

M Lack lan Qt a Nuse 3 months 4 by 20th 1787 Has seind with violent Stitches, & severe would ing, and in a day or live expired. After death the Abdomen selld very considerably. On open ing it, 4 or 5 pounds of fluid were found in it . It was white , about the consistence of pur & seemed to contour some facal mast ter. The whole surface of the personoum was inflamed, as were also the upper sur face of the stomach, the whole omentum, The folds of the small guts, the Ovaria & the extremity of the fall oppion tubes. The b mentum every where lender, was in some places consumd, with every appearance of al ceration. about 14 inches above the insulion of The leum into the Colon, there was a lived shot you the middle of it a hole from whence much air & matter has ifened

into the cowity of the abdomen. Glasgow April 1488 a Noman bore & heldren, 2 boys & 2 Guls. Each was inclosed on a cepa "hate membrane & meceded by a grant flow of water. The 3? born clear first, a very little of ler buth. The 2' level 24 hours; the & heid I days of the 1st lived 4 days, our from Twesday 9 oflock h. in to Salurday a little hast to a.m. Towegh In chesho } The 1st bound measured 16. 162,3,6 The Woman was like to sufficiente before bith & always said she had to he mours. - Maltrealed by her hus band Poore her Children in the 7th month. Recover ill. Never could hap wrine fronts - 6) ied. The Macenta was slouble, united by a Membrane in the middle, & contain ug los fords in each.

John Hamilton I hoe Maker in Gorbals at 50 & who aids. 3 years ago was seved with a violent. stitch in the left sucle, from which he recovered without being bled. . He had afterwards a constant hain in the hart; dystroca; cough quick hulsa & great weakness ... Every symptom ucreased in spite of setons, demilients & every other re medy both local & general. Drogssical symptoms came on & he died. Upon culling into the Thorax we found as we expected, unwers al ad. hesions. a great quantity of water not less then libbs were laken out

of the cavety; & W from the hericard. am & a great quantity from the M. Jonen where the lever seemed harden & whiter than natural The heart was ox hemely Placed & fee from fat. Ils uner surface was like that of a heart long maceraled I boild. The right cavilies were greatly larger than the left, on ing no doubt to the Astructed Lungs. The cheef athesions were around the heart. The Lange to the whole concause surface of the Lungs, to the convex surface of the Deaphragm which was covered with a red Thech substance & seems to have contained hus. - Engo Mali. Pation Gorbals.

Glasgow Sune 1788_ Mr Sheir at 51 - a Thin lall man of an from colour, deeply hilled with the small-pay, after suddenly changing his wenter - dreps was seezed with a hely sharp hair in the region of the diver, shooting up to the choil -der of the same side. This pulse was excepswelly hand, above 100. He breathed freely & cough'd none . Belly costive, Tongue a little white & furid. He was bled the 2 day after being take en ill, with some relief, but the hair soon returning, a blister was applied. The lease being still hard, he was bled repealedly, not less than len limes, the blood being from the beginning, buffy in the extreme. On examin ing the Lever, a swelling was andent with soffness rather than fluctuation. The blister

was renewed & cupping-glasses were ap plied. Saline purger were given from time lo time. at last his hulse became not only soft but weak, it's queekness however which was much in creased, showd that the west along cause still continued to operate. The fell into hisfuse cold Sweats; his spirils were opprepts, his visage ghastly; his sleet, whether he got an opeale or not, unrefreshing; & a singullus attable him hely frequently, at last 12 or 15 Days from the commencement of his complaint, he died and denly at 3 of lock a. m. just as he was mohosing to try if he could get a shool for easing a hampel feeling in his belly. We believe this case to be an inflammation & suppuration of the Liver, & we wested to salvely ourselves by differtion

Upon opening the Abdomen we were struc with the appearance of the intestines whewere welly unwersally distended, hurulent on some hands of their surface, of in various parts ap parently disposed to gangrene. The end of a rasheularly fold has got believen the rebe of the right side & the liver, on the surface of which it lay having formed for itself a little depression. On turning back this horlion we found it was the colon at lower has of the Symoid Felexure. a double stricture had been found on the Or Jacrum by the athesion of the mesocolon; from which as from a fixed hoint, the Soubled gut whelch along lile it reall the Liver. The Deaphragm above & the stonay below the Lever were redder than natured The Liver near its convex surface contain a bag from which issued at least libits of Thich faled how, hast of which had god into The aurly of the abd. before cleath. Below this way there was another who contained lib fo or lib! more. No operation could have dis changed This horris map, which was theck & notted. - The mees line los must have been cut. - Was this collection formed in the course of 12 days, now the landing the very copious evacuations? - Was the hoselion of the intestine the cause of hepetitis by do Inefecte? Was this rosilion owing to original druchure or lo accedent? Some home ago he got a kick in the lower hart of the belly, since which he was never free from hain. _ Did this kick produce attesion : et hinc omnia?

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Mineral Maters w English hint of 28.875 which inches Soda carl + * Selende & earthy Und" Unon 0 carbonates. 0 None 3 Gxyd of Jaon 2.81 None our Sulph. of unon 0.25 Toda & Mag.; mu 1.625 185.6 8.68 riales of Jok of 40? 0 0 - The Blank 237.5 6 0 0 eignife our 1914. 17.5 4 8 0 whether an 0.344 0 0.156 0.125 0 at the head 102 unon 0of you column be \$1.49 4.632 contained or not; 7. 13 None eignifices a 62.125 certainly of none; 20 un certain, means unon ungen None There is some, but Unon the gity not ascen With 47.04 4.15 0 0 4.815+ + 1. c. 2.94 contains 0 in ye Tulph. of hon 0 91.25 Whis coul q when 4.5 0 taller 2 28/m (oxyo 4.75 of Iron M. There an) 0 1: 875 addition al oxfe unon 0 2.5 of Iron. 0.5 unor

Recepts copied from various authors. Amylum used in Mucil. G. arab. Whisis - w. advantag ag. Gennam -Ramyle 31 - m. hih - 31V-Syr. Zinzil . v simp \$ /s A ag. __ lib 1. log. ad & XII. adde loch. il Dos. mo Diuto. Tyrup all 3/1 Antiphlogistica-311. 4ta qual. hora Pf Sal. hili - 311 Sauch. albi -- 3/s Absorbents -4. arabica 3/14 Of Magnes 31 Dos. 31. 3. vel 4" ind. P. Rhoi of XV Netrous Juleh a. Menth. hip 311 Of Sal nitri 311 - Cunam - 316 agus __ 3W byrup - 3 to the aceli toch. h. Dos. his Inf . -Syruh- à 31th Dos. 31. 3ª q. hora. Of (ret-phvel ocul. Cancror 3/5

Anles eptica (Amygd. dule no XII R 6 her. contus 311 Camph. _ ag. huleg. - 3 yr myork - a - a 31 Syr. Balsam unfund in ag. bull. 3x Mucil _a 3/A cola et adde ft Emulsio -Spt Velr. ten. 9.0. as Of Camph. pur HI grat. oapm - P. Garg. Mucilag - 311 no (yn. maligna. solve et adde Antispasmodica Ag. Front - ZVI 141. Val Sylv Zylo - Coman 3/1 th Canel alba of: V # 31. Ino Dos. Capt 3. ind. Of moschi hur Els Of ap. folid 3111 Mucil - 3 Supon Venet 31 agua - 31/ - linnam Syrup. Prals - a 3/0 Mucil . g. o. of majs. Dos 3/ 3. ind.

By Sal Yart ar - - Glant a 311 Px Camph. huro g. VIII Sht Vine g'alig. ut Mar- Hispan- Tolychra 3/ solo. Camph, dein solve in ag- libs loca ad . Syr. Bals 311 Dos lock II well ex ag lib1 Ag. M. hip ZVIIA omni Man-donec alo res ft haustis -In Irvine's receipt for P4 Tinct Caster making Seltrer Water Sht Law Comp. a 31 Rag. Destill lib VIII · L. Lig. 3119 Sal. commun 31/s gh LX mo Dose . alkal- fossil sie 311 Agus Minerales -Magnes alboy 4 Cret-albay 9:XIVA Ox Sal. Glaub 3/ et gradalim adde aeris - Marin Zi solo in Aqua ZIV Can [xi 9. s. ag des. Sal com. alk f. Mag. 3/0 OM. & aqua leb1 .. 9" X1 4 .. 9 XV ! q. 11/5! 14 Yart Solub Sal Glant a 31 D'Irvines receipt for Tolych - mar - hisp a 3/s agua 3 VIII - 10lus Pyrmont Water_ Dos 311 ex ag. lilifs.

them with a slick like 192 Ry Ag. destil - lib YIII they unite into a red Sal commun of. X maps, & but this while - Calhart amer 3fo warm into a clop veg-Gaelos Vilriol HI magnes alba go XVI alba _ sel From this red map, when Lun. Martis 9. 11 fo m oil of 8 christ is added un adde acris fixi q. s. to it, the Sulphureous air will arise in the I Elliol's method of infregnaling water same as the acreal gas with different ours. Does from Shalk & ol. Yith. Take of Sulphur -The water impregnated 1 of-ashes - h. agwith this becomes sulphu-(Lucke lime well reous, like that of Aix burnt may be used la Chepelle - Mogat uns lead of Tashes I When heated (by immersing my them & hut the closs refsel containing them into a cruible it) in boiling water it or unglased dish over becomes a warm sula very gentle for . Ther water.

This air is obtained from Aix da Chapelle II. the common hepar bulphier of Sal. Marin 3/5 also, & shill better from the alkal. Gopil 31 following - Cret. pp. - H of Limat Marlis 3111 ag. hur. - let VIII He lor Sulphur _ 311. A acris Sulphur. 9. 1. et lique in frucciouls-Pour Miner al waters may The melled maker into wa in general be imital. ed by adding Epsom ter & keep it in a close wefsel, to be use instof hehilaporalt for hurring wa ter, Sea - salt for Salt Spa Stater Walers V.C. Some water A Sal Sodos calk fof H Sal com _ 9. XII las the cold Sulphu. reous) contain both Just & Sulph! airs, a ag. hura - bong. 1. mixture of hepar Sul! adde Limalur Mar. g. aleg or the substitutes for. et adde aeris fixi.g.o. merly mentioned, & Seichsculz Water like chalk may be at once mix withol. Of Sal. Jath. amar 3111 Schrioli - Theis both aus well arise. -

Telbury allera Bristol hot well ter- Winches ler Water - Win. Gal. contains of falcar. rates w. acid gas I give Earth joind with Sibrolic acid in the of how gulle with ba form of Selento - 9.82 sis of Veg. alkali High lous Gas -- 9:X/13 of Sea Palt -31,81911 by min. alkali - 912 of marine last of of ment oleginous matt. - 9.14 magnesia -Sept. 22. 1799 311, 2113X of Sea Salt _ g. VI. 2 Two quarts of acid ulous It moreober contains gas (which in density 8 or measures of aci is to temper ate almosphe Julous Gas, besides ruck air, nearly as two that relained by the to one, are contained in Calcar. Earth in the heat of boiling water, each gallon, besides the \$202 measures of air quantity of this gas reequal or superior to lained by the calcare atmospheric air in ous carth in the heat punty. of boiling water,

195 Harrowgale Water_ It moreover contain 12 or measures of Rei W. Gall on contains Oulous Gas (bestdes that relound by the of Cal Earth salurated Cale? Earth & the won with audulous gas 3/0 9 VI-4 in the heat of boiling marine Salt of mag Dy g.XIX 4 3/3/1 21/9 1/1/ water, & los or mea 31 gr fo" 9xil sures of Almospicar lea Salt_ I carl orough Water It moreover contains 4 or Hin! Gal! contains measures of acidulous Gas of lale . Earth combin Wesides that ret by the ful careous Earth in the heat of with Vibrolick acid boiling waters & 35 oh mean form of sclente sures of faled inflamma of D' Saud gas HI 9:XII. ble Gas or Sulph. air .. Marine Salto Bath Water-Magnesia - 311 2119.XII Win Gallon contains from combine w aud: Gas - 31V, 811, 9 of Cald. Earth - with Vilack aced in form of Selente 31 / 91/2 31v, 211. 9:1x2 of D. w. acus. Cas It contains moreover mar. Salt of mag y Sea Salt di 9. Uf Iron with aus. 96 or measures aud: gas Cheyons

the quantity retainable of Sea Salt - giritet by the & Earth & Iron of Min. Oleagenous in the heat of boiling water 1 & 4 or mea of won combind w? sures of phlogisticates air. HI 9: XVII 4 German I pa Waters It likewise contains Min Gallon contains /32 02 measures of aciof fall lath found wt Julous gas, besides of May a combine w , that relaine by the acid Gas _ g. XVII to ath, the May a, of mild mineral alk! Min! alk! & Iron in weight in y chrystalline the heart of boiling wa -9.XV7 70 ter & 3 2 02 measures of almospheric air. M. There are 3 springs, out Bohoun in the middle Chevron or Prru Win Gallon of the village I ha; Souvenire, a mile & halfais contains lant; & Chewron or Pora 3 miles distant

of mile mine all of C. Earth combind with weight as before 91,50 of Mag a combine of Sea Salt - 9" 60 with Do _ girl's of Min! Oleag inous of Iron combay 20 matter _ 9:100 of mild min! alk! It likewise contains weight as before - 9 2 108 of measures of It contains moreover and Cas, (besides the) 124 of measures of X12 or measure of Alacid! Gas (bey onto mospheric air. that If I & 2 or mea Driburg Water_ eure of Atmospheric air. This water, very famous abroad, ruses in Souvenire Water a pleasant plain, half M. Gallon contain a mile from Driburg in of Co Earth combine Westphalia. Baud Gas The Win ! Gallon of Mag ways. of Iron is 8 _ 92 700 contains

Sevil Holt Water 128 of cal. Earth comb. wo Wenr Gallon contains Vil. acid in form of Selente Salt 31 941 girm's of a Selencte 31 9:XIV. of D. w. and fas 31 g 11/2 of Epsom 20 3110 9 4 of Maga combow of marine argil.) and gas - g"X1 3 Raceous Salt (.311. 9XVIII) of Mag a combo wt ofmarine Salt The acid - or Ehsom Salt - Of G.XIV of Maga. 3V7, 21,971V. Maga gix 3 It moreover contains 12 or measures of audu acid fas _ 923 lous gas, & 2 of almo ephoric air . - X72 of Sea Salt - g. 2 -31113 XIV4 These were measured in It moreover contains lemperate air, under 208 or measures of au the mean pressure of Qulous gas (besides) & 4 of measures of At the Almosphere. mospherick air. H- Water well saturates

with fixed air or aena lea Water - Minn acid I desolves of Gallon taken of Brug. derate heat about 100 hart of its own weightlm stone - 400 yards within the mark - Wind of Magnesia shong S.E. The making Bux lon Water aug! 1781 - contains of Sea Salt 3, 13, Win Gallon contains of fal! Earth comb of marine Salt Wand Gas of magnesia .. 1 .. 11. 19 4 of gypsum -- " 3.194 of Selenite Nea Salt _ g. M'z marine Dod Mag g1 4 It moreover contains of Iron combind with and gas, separable in y heat of boiling water, one and gas or measure; of almosth air 4 or measures; of the It moreover contains air 102 measure; & of ole 4 02 measures of phlo. genous phosphores cent mas ler quantity los small gishealed air \$2 02 acidulous for measure. gas, besides the

R 1hp. Dulcamand orms hick Medicine ag. hum. Wife. ag. A - a small lea. spoon ful of Mi aysler. Shell; a ad leb 1. fig. col. Sunt 311 3. 9. Kaugh case knife how ful of roach alum burnt; I'of armeni-It was Lepna. 21 9733 an bole; as much Elecam have Root as well lye The surface is washed on a silver sex hence; It a shonger decochion go of ash. coloured growns Synche; paller: nausea Liver. wart - all in powder lines produced, then the well mixed - 311 is a face love is too great It Vose in a glass of soldon does much held port - Maken fasting & the Palient must fast fon Lon Hong Mon from Wellan 3 hours after, Plates ord 110. 6145-Cement for Galvanich Hellow Wax 31V Resur 3 VIII Fine Brick

201 As bring entia from A fort Lucre D'Callen _ cog. ex ag. libs ad libs Of P. Gum. arab. 3/s cola_ adde alum_ 31 alum. rup_ g. III. Jack albi 31 - Gargar. Sach albi g"x the R ag. Rosan_ 3 VIII Dos. 3ha q. hora. acet Sullit 3/6 4 Pulo alum Ruh-Sauch Salurn HI Solve 1. fort binnam a 31 her chart. cola - hoo fol Jons Rosar 31 Lyrio discutiente. Syr. g. s. f. El. - 31.3. ind. Syrup. Viol. or Ros, may he wed instead of Decel Jul RP. G. herw 3/s alum _ 311 14 Terra Jahon _ Cons. Ros _ 31 Cort Cont. Cont. a 31 Syr. Ros. q. s. f. Elec. ho. g. arab. - 3/s Ry alum. Rup. ag. bull! - Frull di-Terres Jap. ag.V. gere, subinde agitans her It hule. bis ind. sum? hor III _ cola - Leg. calido Ralum. Rup adde II goxL G. Hino -10 l. her -- Einnam à Syrup Deald 31. M lock. Dearr. urgenteRy lons. Ros. 311 Bitters _ P. Perr. Jahon Of Rad Gentian 31/s - alum Ruh - a 31 fort Limon - 311 Rad. Tenrib wel Lyor. Lim. g. s. ft El. ten Sem Corran - 31 Coch. 11. ind? ag. Bull. leb1 A 1. Gallorum 9 X Extr Glycyr- 711 In 9. arabici 2 m fund a per ches aliq-It hulo. Mane & V. cola 14 llva livi 31/ 14 Rad Columb 31 Tulp. frun alb. 31 Extr Gentian 3/s Sya. (of aurant g.s. Sal martis g"XVf. It Elect - Dos 31 ind. pil q: IV - Dos 2. wel 3. A Felor Vo alaust. For Cynanche malo na Cort fran cont à 31 Of Piperis paroi rubri G. arabici — 31 boch. 11 - vel pep Cayenna ag. fervent 3 VIII loch 111, Salis huri foch. p. 11 dig. h. 3 . - colat - adde Contunde et adde ag. bull. & VIII - Cola et ag (in. shas aceti for EVIII the Sund Gyrup Diacod à 31 L L g. X LA AT - Strengthe lock om somit. Ino adulto ing mexture lock 11 ind

03 Cordials Re Rad Columb 3/5 04 G. Guar Rag M. hip ZIV fort aurant Ill Sach albi a 31 - Janui sp. 36 In In ag. bull - lere - dein adde IN Law & com Syn. 31 m & XII her 4 horas - Miloso Sugo: 211 Tulo (and min 4 Dos. Els subinde Colat adde Sht 311 Vini Gall 311lere iterum e Of ag. Linn. al. Muc. G. ar. g. s. - nuc mosch spile Dos. 3 to L'indi-Tyr. laryoph - 3/ Catharlies - Stril q'.V-Junt. 11. Spt Lave c gim In Dropsey R Ext Gention Dos 31_ Qaq lin 311 Q Poy 39 aloes Sur-a 31 - 76 Sal holychn. 2 Int Laure. 31 by. 9. s. st. hil -D. 111. - Sal. Vol. OleosigXX ag. Aya Jalah 3/ Syrup - 311th Syrup 311 th sum. 3º Vicibus. Dos. Joch 11. Syrup - 31 A of Camph. go X Sht Vine got well 14 aloes Soc DIV Of Fol Som. 31 Jum avab gill. Bol G. Gambog & bis ind! nuc. mosch. h Jy. 9. 0. f. pil Vg. Colly rum Pal Glaub - 3/1/s P4 Succ: alves Sacch. rub 31 Vilr. albi H Extr Gent a 31 ag. destillabl- fal Chalyle g'XV ag. bul. lib 11. Dig. hor. 4 - ad. 7 Janna m. -Suntill L.P. - am welling ind -Om vellis ind . -

Coque Ceni igne Dysentery _ Mezereon 31 ab 11 in ag. lib VI vel VIII 12 P. Thee 20 agus libxxXIVad let IV. Theno 31. ft Loque ad leb XXIV. Pil XX-Captyn Decoct. Tam. c. Sen Dec. fort her. 4" ind - Proper lowards the end of Formet Jam. gvi 026 her 31 A P. Doveri HAR brem Mart - 311 ag _ lib16. cog ag. leb XIV cog. as leb 1. . En. anod ad leb X - Sub fin coct - adde En. ex Saleh Ell Dec. fretoreum Gol Jenna ZIII Oleo of Creta Cola - Dos. lib p.del. 1. 4. arab 7 V7 (09 of alum Riph 31 cum Syr. e Rhos 31. G. Hins Zil in ag. lib 11 /s ad bebil Decoct Jarsa Egns. Ros. 9.0. addle Muc Mosch 31 1thil- Sunt 1 % Sarsa mas 3111 Syrup. 9. 0. 4° ind. ag. let VI cog and Decoct Lusit, Decoct Geof Inerm bib IV et cola. Decoct Jars. 6 Of Jarse 3V7 R Cortic Geoffraid 31 Re Ras Jarses 3111 Cog in ag. lib11 lenit quiac _ Mexer: conlus 711 vase clause ad libl. Japatras Santal rub Cola-Sapatras 44447- a 311. Row Glycyr. 34.

D. Verbasci ox Jem anis 31 14 Sperm Coti 1 God 8 31 Sauch all . a zm Rad J. R Zys ag. leb 11 (09. Cons. Lynos. Ext Glycyr 3/0 ft a lib 11. Col. Port maler no 11-Muc. G. ar. a 311 und. h. v. pro Dear. log. hol in ag ag. ZIVA J.a. libil ad 1 ._ adde Demul centra 14 Bals Julph 31 holl Men. V. - Col. R G. anab El Sig. Pecl. Decochio P. Rad. helen 31 ag. bull & Vi 2 Spoon Juls - 2:3.00 lere simul et 4 lines aday -Syrup- 31 m. a. Rob Sambue Extr. Glycy. a 31 14 ag. fun. 31 Lyr. Bals. 9.0. Divretica - Frontis ZV/p ut ft hil g v. Cap 3. his R Millet hp. 311 Ol. Olio 31 The C. C. gto aliq. Ry Flor Jamb. 311 Sem. Danc Sylv Syr. balsam 3/st ag. bul. lib! Sapon Hish- à 31 macer. hor. 2. vel 3. Ar - D. Muc. Gar Ry Mucilly. ar. 311 311 3 trag hora 9. o. ft hil g. V. Capl Ol. Olw 31 3, 4, als om 8/ Part Paret - 31 aq. Front - 311/6 Dem Dance Sylv. Lyo. Prals 3fs Flor Malo 3fs Bac. Jun - à 711 Spt. Vilr. ten. g.s. Conces. It maler. Conhes aff. ag bul leb1 - Degere per al grat question. no!

inemata ande noct- fola & pro Dolore Ventis Rad Glyc & 1. Col. ach. ag. Jun Sp. lock 2 och 3 post hels aperient Decoction Of Inf Lini ZVIII Sumt leb1-11 ind? Gum amm. 316 A ang Mes nisi Daphoretica. calor nimis cres En? falid um 14 G. Guiac Of ajs. fat. 31/6 14 G. Guiac 31 Sauch all a 311 Decoct form 31x Sach all Extr. Gent - 31 Of ag. huleg 317 Yart Emet g. VII fo M. G. arab. 98. aps. fatio 3/0 to It hil Dos 20.3 Til lere simil adole Eastor Ruf - well En pro Inf. Jebrical In Dear hoa Kag. Ros ZVIII Ex Gentian 31 04 P. Salep. coch p.11 Jyr. Caryoph. 3 Thuc G. arab 9.0 Pril Dos 203 MX / Lig. L ft En a Part Emet 9:1V solve loch 203 hos & Clix Guian Vol ZI The Jochuria A Rad Jars. 316s. to XLex Jac.v. ag Of Campor Syr. Sant rub 21 Of Sht Minder 31 P.G. arab 609 ex ag. lib 1 Vad/1 syr. alth 311 acet Sall. media loc. and Fart Regen Dil the Inf Line 3 Got Rad Meser 3/0 ot. 3/s m ftin et such finem

207 En Imulano En Carm. fet - Election hos fonor Wem Sinoch integrally apo, fat . 3/s Robals Coh 311/s ag. huleg 3v7 Pliper. 31 ag. bull 3N/ Mac of. \$103 mos - Phoi - Gennama 31 na her hor 11 - fola-E. Suretieum It Eleel Junt of Tereb. com. Fil Boch h. 2.0.3" ind. En Carmin" Of herb. aboyn 311 volo in Vil. Obi - Empor Gereum Sem anis cont 3/2 a. Inf Line ZVIII R Sev. Good ag libili cog. adlibi Comph H Resinals. agiv (ol. a) Ol. 3/svolve in of 31th fer. flav 311th En. Terebenth. Q Inj-Lini ZVI-Espence of Mario Emelicum | ag. Puleg 311 R Spt V. rect libis Of Vilr. all 3/s Tereb. com in Ove alum trili 311 solo in ag lib 11. G. Camph. ZIV bitele. solul. 311 Sum 3 VIII- Jones Ep. Limon 3/ Olei Zi. fin. alkal. Vol. 31V4

Expectorantica Haustin Hydroxe Icterus - cum humore reg. Epigas_ Plad Sil. exs. 9 x R. Succi Ind. h 3/6 Inung ung et Emul. Camph - ad 3/s ol. freut-vicifon Bals. Sulp. a ze ag. m. hip zip Of Sah. Venet 311 Froch Bechin. 311 Jyr. de Pham 3114 ag. Cal. q. s. at bis ind! host en g. amm 31 ft nil 9: V-1.2: 4" ont. It hil - g " iv - gulas Capt Emul of Sal polychr-Dos 3 0 4 tujung Carab & VIII coch. h. alv. adstr. Haustus Guiae 4 G. am 3/6 Injections in R. G. Guac g XV-Ext Glyc- 71/s Conomhaa thil-g.IV Sauch all g. X am 1, 2, 03 hi. lere et adde 1/2 opis 31 ag. M. hip 31/ A Inj Line 31V Joher fat. 311 his ind? ung & fort - in ovi Jol. in Vit. Ovi vilel. sol 311 m. Lact. amm Zviji Gas brodynia -Ing: anodyna 47. Coui. ZVI 12 10 PhaigxxV Ropin um 711. 6ta, hora Mag. all Ifs P.G. arab 2. L. 96. XV 3111 for ag. bull. ag. M. hip 3X Syn. 711 ft hausty adde of. 31.-

209 nº and. astring. In arnica M Infusions of Sauch Sat g" VIII If Gol arnica 31 R. Rad. ananth. solo in Sol Opii 3/2 ag. bull. lib 1m & 1inf. her hor. 111.60 Vini albi libs Ing. ad Vagingens against Palsy Dig. bid et cola hural. obsistend. In Digitalis Dos 3/2 ad 3/11 ind. 4 Tereb. com 311 1 Fol Dig. 316 ex Inf. Lini - in solo in ovi Vitell. ag. let maiera Lepra- Herpetead Inf. Line spellet her hor. 3. leni aget. Pheal Ing. paux am. calore- Cola Dos 3/s. bis o 3/ Ing. no Conorhad of Japonie -Inf. Belladon 14 Calom pp. 31 1/4 Perr. Jah. of Fol Bel. of. m. G. arab 3/ m 1? 6 6 cm. a 31 ad. agus 3v7 - affunde ag. for 3vi 4 sice - 4 inf. her noct-in Tilr. albi g. VT & olig. her horam ag fero. 3xLs my 3. 4" ind! et folat adde cola. Dos 310m Jyr. Deacod 31 Ray Ros. 311 Jack Sat - gikal xx Tolve - - R

Mistur. Pector, Mist a Sistens Julep. helros Of a. m hip 3V 14 heli 311 of Sherm lat. Sace oft a 311 Oc. Caner. Syn-auta 31 Poals Volut 3/s Cong. Jah. a 311 94- D. 3/ 3 la hora here oft - et adde 1. 1.96 LX A Sumt 3/ 3 ha hora Jul. Cardiacum M. G. avab 31/s 1/2 ag libil inf. gradin Mist a Divretica Spt V. rect lib/ ag lun sh. 311 De a. M. pup 3VI Opt lal arom - Rosar 3V7 Sht hel. dul. ZIII-3/2; Tinc. froci à 3/ Sach all chr. 3/5 Jyn. 31- Cah 31 4" ind. Syr. leb fo m Il glox L - Dos. Coch III 4: md. Jel. Mist. Pector. Jul. Pistens 1467. Jah. 3116 of ag. huleg &V Musta po Gonor. g ammon 311. Ox M. G. arab 311 Sh. V. rect lib 1/s Sy. Pralsam and Vilr- go XX ag finnam Pals. Copail 31 acet full a 31 m Coch 1. bea v. 3" ind,

210 Of Halmia w. Talo antem Palsy Head ach Febral Jacobi of Hort Mezer 31 Ox Turp Min g fs Of Sal hilr 1. VII ag. leb 11. cog. al. P. Leguor g'iii. aug Der fen . ad. and freed part IV Dos. ad go! - Snuffin frucib. ign. Rad alth ine 311 Col. Sum. quol. h. Dog. -Re Pulo . ari -Pel. in Hydrop Oxymel Colchie 14 Pulo helr 311 Q. Pall. exo. 31 Of Rad 6 aut. 31 Grem Yart 311 / - mercur & acet leb / Mace Jack - 3x m Jya. q. o. ut ft na her bidderem mapa in h. XX Col. ad. mellis Pot . antephl. du. - Tum 1. M& leb 11. (og. and spels 02 6. Tart 311 h. De Hain. Pulo in Dyshep Sach - ZVI I Sem Cardam } ag. libil. lowe. Oleum ficutos Lim. Mart / 311 14 Herba "ce lib! In et dev. in hil Pot. Imperial XV - Sum 1.3. 4.00 Ol. Olio libIII Of 6. Mark 311 Til Carminata Coque bene et fate ag. bull libt fo Of als. fall 311 lost dim. alo. Socot Sauch all a.g. o Sal mark ad gust gratum Pul Linz à 31

ments a bath Decodum Li Luercus of warm milk Of C. Quer 311 sitanicum & water - weak & Ras Sarsa log ex ag. libil solutions of Jac Meser. ad leb 1_ Glycyr. a 3/s -char Salurni Sir Il Sloan's Lig Rhod. Guiace I the foll. 9" Sarsa Santal. all. K mer. hoc. rub - vubra à 31 Ryaliaph 31 dah. Pal. hp. a 31/0 antim. cred. 211 Lak Helmatit 19 2 Marg. Wh. 31 Inf. in ag bull Julia Wh. 3/s lib x her horas 4 aloes oft. p.q.X Pearl phigh w Council nat. Is lender abulliant un vale clause 7 th hulo lenuls. At & contende & m per hor. XII. Col ". in mortar marm I loughton ung. horan 311 R Gentian dein aclde Cost aur. a 3/11 arpis Viher 9.0. Poals. perus 9 XV. Sem . Cardam A P. Loument. For Enuplions on Council a di Ifit our gall. lil; app. haux oul the face Ry Lac Sulph 711 m & V. -That ham's Tinet Mr. Pellier affer Sauch Salum Of P. P. C. herew 311 Got aur aut scorefying the Rad Jesp. V. 3111 aget. phial. app. anata, recom haux mx. V.

low der par Ices IV - Colebin ad. famhh. 31 - Dosg) Cocun HI It our Gal. 3xxh Receipt for ast in Long "Long Is digere and calore. Ry Lah. Calam. ht. 310 Lip Salve Ry Pomat. moll. 3 VIII fera flava 3 VI I tranks receipt for Rad anchus Cynanche Maligna Therm leli a 3/s 14 hup. Jayens. recent coch 11 Bals. perus , 311 ambergris g 5 V7 vel sice coch. III solve in vare fec Sal man coch aimul. Wili - wleten. containd. oft. in hulp. newous Drops for hence infunde in ag. bal. lib wh £1000 were hard to a German by Marg! of Lothian host hor. XII vel 24 cola Is as and oft little. R Castor Siber Els Servel. in vase vilreo aloes Socot 3111 Groce ang. 311 Dos. Ino ag. XII an. vel sup Sal absent. 3/s (geth. I vel 2 om . semih. This puri 31 infra ×11-311 - mo infa Spt on rec 3 VI old red in how Joch have . hulo. & diger.

Do the vesculos seminales contein Sem no pt Fluid defferent. Thick & brown in the vesiculia; then & while in the vas deferens. - not owing to hubeface hon, for Mr Hunder examind a man whose head was shot off, a few mi. nules after death. _ - 2? a man in st. George's Hospital who had one testicle cut off many years ago, the aesciula of that side was as full as that of the other . Argueds shanks saw the same Thing in a man whose was deferens was grown legether. - 3. In some ani mals, ex. gr. The Deer, they cannot contain semen as they enter the weether by a but separate from the was defereno. 4thly their usides seem glandular & their substance is thicker than necessary for containing bags. . all farmerous animale want thom except the hedge hog & in him they are very large. In a man Mr Hunter found the vegecular withour

at opening into the wrethra, yet full of fluid. In castraled cattle he finds these like all Then harts of generation smaller than usual, but they contain fluid ... famphere in the of were has been recommended in herria humoralis. Mi wt a poultice recomended in Chorder. Mr Wins low recommends it to the bree es of those who are houbled whe rections In where homorrhagy when the ple certa is over the or, the flooding has hens during a hain; in other cases the contrary happens. _ Mofnuckshanks found that the loose farlel age wh had haved the knew m one case fixed - Might this warran confining & pressing? In opening women after huesperal fe uer, pentonoum infl? a log bet with a mad dog ded in Fday after hydrophobia wh came on a weeks af

ler the lite - Some red shots about Its end of the asophagus & begg of marker Mrs Uno died of consupation. When opened The viscera were all much enlarged & dis lender with our & feeres, down to the be ginning of reclum or middle of sigmood flexure where the distention ended in a hard tumour. Upon laking it out, a cut was made who an about lying between the Con & proas muscle, & in the absceps here was a plumb stone. The absceps commu mealed with the gut & at that hart the gut was constricted for about i an inch. Probably the stone lodges here & wrought Is way into the cellular membrane. (rude morning had been given, & was every where found in the small guts in form of black powder - no where more than 3 fs. My Jeanie Mars hall after Gnanche ma ligna was spend. The fauces, asophagus, mouth of the Largery & spening of the nose links the phe ograp were encrusted wt a brown very fated

agot evidently of coagulable Lymph. The harls below were evidently inflamed, but no ul. cers or sloughs. The as oppaque was al most shut up a patient of D'Culleris in Epilepsy was ble in the fet. then no buff; but believen The fels, buf always. - To this a proof of life in the blood? The fet, by affects The brain almoved the phlog diatheris, consequently the buff; when the reaction returnis, the vepels changed the bloodthen buff appearis. a Woman look assence instead of Mag. Died - Morera externally sound . - Homach on The inside was black in many parts, in others of a dark red & in these, considerably thickend. In some of these the inner coat was morlefued, in others, only inflamed. They were about the size of a shelling & all of them contained extravas aled blood? -

Eler. Halbert - and Jase Book 1789 March 2 4th Deed - Ohend next day -firemference before Tening 3 - 12 Larlet . Enst le Os Pubes 1 . 6 -In the upper part of the abdomen a quantity of water - 13 les were taken out - the stomay seemed small - so did the Lever this last adhered in every point to the Siahlmagn - Theen very small Both kidneys were diseased - They were large Is flaced . & to the feeling seemed devided into a number of Lobes, each hand, the thin & separates from each other by a slender membrane. The waters were much enlarged. From the rim of the helvis lus lumours closs out, (vid plates) dift in appearance & in schools , but connected together by a form thick substance. The right himour ous ashe sions on their surface, & when these were def

Lected of they right to suffer in the following har-heal ars. The tumour was nelly equal & unform over its surface & when hieford yelded equally in every hoint. It lay from the imabilieus down to the helves felling the whole diar region. The surface of the left was unequal. In some harts, expecially on the superior ridge, it looks like distinct vericles, transparent & fell d with a fluid almost clean to it appeared unequally soft & hand. It did not exact so low as the eight her mour, but it rose higher, as is expressed in the blate; but one hast of it could not be seen like The greatest hast of the fluid was drawn off. This superior portion run along the spine, & lay on the Deaphragm, in sine & shape resembling the head of a child. The Grounference (measturing from the noot To the lop of the left I was about 16 inches; from the umbelieves down to its lower hast about 11. - Gramference of the right, 13 inches Deameter - 9 -

Whom opening the right lumour we pound it to consist of 3 saharale cells, one of w. (ver the more external & lowest contained a quantity of fluid at havently tinged with blood. another cell about small size of this contained a quantity of glains pendent fluid; the 3? with was the largest, you lain 4/5th or 6th of the whole fluids, was filled with similar glains fleid, the fluid contained in all the 3, amounted to Flib. The wat varied a Wille in thickness & from the inner hait a multituded of fatty excressencies from the sure of a walnut to that of a pea were suspended. The left Gumour defferd from the right in in leval structure no less than in outward appear ance. The upper prominencies contoured a fluid let. the diff. from that in the abdomen. Below these lay a chaos of cells, some containing an ouna some a hound of flied of differed every where both in colour & consistence. The coats were in some places above an inch thick, & were

proportionally more rigid. Some cells contained clear water; others a dun glaing maker, others a bloody fleed & others hus. After emptying the lateral tumours, we found 3 cycle lying on the shine . & of these two con lain hus, the other a glaing fluid. The lobe which ascended to the Scaphragm contained also a quantity of flied. The flied contains in all these last enumerated amounted to 6 leb. For some line we could discover no whe rus, altho its returned was sufficiently indicated by the bladder which adherd to the tumour before to by the rectum which atherd to it bekind. The finger in the vagina discovered nothing like the as Vinco, at last a Directory being inhosiced & of an incision being made we discovered the inour cavely of the uterus. It's substance was me. devalely firm; it's length was greatly increase, as the inside of its fundees was 10 inches from Has uner ridge of the pubes. The atension appeared

cheffy about the cerving which was whose 2 th inches long. The fall only of the fall opean lubys was very itestinct, but no trace of the lubes Themselves, of the legaments, or of the Ocaria could be discovered. The bladder were very small & red over almost all its inner surface. The whole way was much emacrated. There was no appearance of anasarea.

flector Rops at 40- a fleaver of a black complexion thegust 20th 1789 Vex years ago received some severe blows on his belly the account from these but near heefectly. about 3 months ago he began to con plain of dyspepsia, pair over the absomen, comeling & obstinate costweres, Various reme dies were hied in vain this complaints con Unued & has belly swelled exceptively with a feeling of obscure fluctuation, & hympaniles. His comeling becoming more severe, & the week ling of his belly increasing he was tapped on the 16th inst. & 3 latch pints 8 2 of very fall the maller were drawn off. He breaked more ea sily, but all the other complaints continued & This morning he died. On opening the abd! every hast appealed meder. naturally thechand, and in its colour, & in some places lived. all the small bouch adder by their nearest folds. The Mescales was the Kend & red all over. The mes enlary, & meso.

don were universally schorous. The gut are almost conflically obstrulled in some parts, especially about 9 inches above in service who the cocum & where it runs down to form rectum. The Gover him was unever sally hard, red & thickend, in some Macon nearly two inches, in every place above half an inch. a little fluid in the abor _

June 16th 1790 a Veaver in Callon middle aged came some time ago to the Martial Is complained of orolent haves over all the chigastric region. The belly was extremely retrait Ed about the umbilious, & in many hasts was very hainful to the touch . In the right hype chondrium There was a considerable hardreps & lension, which shelched herceptibly the of less size beyond the linea alba into the left hypothondrium. He had never had any liven -complaints. He was much emacrated & yes. leisay died. The right alle appeared after death as markably lived, but allogether free from the hardrep which I felt so remarkably before. This surprised as I exhected a schirrous Whon culling into the and omen, the mus

cles of the right side appeared entirely lividite cembling in this respect the colour of the in leshnal folds over which they lay. a great part of the folon, with various portions of the small guts were of this dusky hue, their vefsels appearing every where distended with black blood. The Sleum just at it's insertion into the folon was remarkably small, but there appeared no morbed theckening of the coats. The Jolon run up about 6 inches in a natural direction, but from this point it startes out & crops'd to the left eide, not be low but about the Liven. This crops hart was apparently strangulated, insomuch that it was very much distended with wind & fe ces & uncommonly black. From the hourt at It the Colon reaches the left side, the gut was shrivele to the size of an ord inary there, but there was no sign of schin us. Through

out this shrunk tract, small balls of faces were found dishersed, & about 4 inches from the ances there was a considerable congestion is distinct that hast of the gut to a size nearly natural. The Colon adhered to the funders of the gallbladder & to some hart of the Liver mean the Gall bladder, & these athesions produced a kind of construction on the right end of the arch, which rose from this very hoint. The left end seemed constricted by the arch's deprepaion, for the head of the colon on the left side lay higher than the place at which the arch entered it. The Liver was quite natural. The shleen was metty large. The Momach showeld . There was a small quantity of water in the above men, but much more in the Thorax on both sides of which there were several ashesions. The Lungs in general were healthy, excepting a fac shots which were hard. Remarks _

To ascertain whether the fluids hubifice in any disease or net, It Evans made 3 Explis 1 He injected into the jugular win of one dog 311 of fresh blood from another. The Dog live. 2 the Engerted into another rog &11 of blood kept in the natural temperature till it pulupies slightly. The animal became forth with suck; cometed; chaggers; breathed ill & was very languid. after 5 or 6 hours it died. 3 by Blood was kett wee & hubefier, and If it was injected forculsions came on instantly & the animal extered. The los last Explo were repealed with the same event.

Buft Bernaid's well on Water of Leith is near the le wel of the sea, about noon in July the Therm! in it shood at 48; in the river at 51; in the shade at 5% In Jawy the Therm." on it shood at 43; the revery! The almosphere 46. It's laste & smell are sulphureous with an impregnation of Iron. - It contains fixed ain, calcareous earth, aeraled iron, a small quan by of hepalic air, & loo neutral salls, or Eh com & common salt. Meade's Thesis an 1790 .-Transfusion hier est Paris anno 1668 on 500 human Subjects - hurful - bene felles 2 - Review Vol. 78. h 6g-Forbidden last Century_ The same of the same

Correction House Taluday April 23. 1791-8hend the body of Mary Michell a hiostitute who died The belly was firm & leuse. The neck, the Shoulder & Loins were more or less lived. The right Migh & leg were blag with a number of leags, especially two very large ones near the buttocks. all these bags contained a bloody we ter. The right Labrem Rudendi was well'd . Whon turning the body a go of blood & water youed from the more the felt a prechure in both the bones of the leg, at little alove the ankle joint. The Tibia was broken lengthways & the fracture ran obliquely upwards above two inches & as half. From the inner part of the bone a

"Tille above the anker two heres about I've inch long were showerd off, besides a smaller splinter. The Fibela was broken over across about 2 inches above The outer ankle. There were some splin ters about the lower extremity of the fibula. - The modification ran along the whole leg & thigh. The belly was distended with air but in other respects natural. The Thorax was sound. The herican. duem contained about Ill of bloody ler. There were very slight dithes cons in one part of the left side. The head was sound. The bones were very thick but neither bruise nor broke a lille fulness on the pea males, & some Mong concretion in the Tunca anachoi.

Clasgow April 30. 1791. The Dams Garden of I'm Anderston was leaner their the Nowed Apothecary in Hamlet. I years ago he had the Influenza after with his Somach was never fee from complaint He are Wille & degested leps. Complained of exheme faid calgie & constant his. : cup. . During the cheease he never could vomit bill a little before his death. The body being opend we found ever thing showel'd. The muscles thin; the omentum without fat. The whole wh her surface of the stomach was sohis · rous, & the obstruction around he Cardia very considerable. vid hepa -ration. - The sure of the stomach was small & it had morbid adher sions to various hould, isherally the Liver & arch of the Colon. him coming

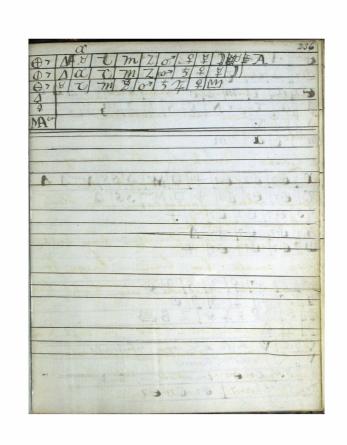
June 18. 1791 Went with Mr Anderson le examine one Mm Gilfillan. We found two recent scars on his head; one a hove his nose, the other near the crown. We found a to on, the left Thin & a swelling on the left ankle There was the mark of a small ear on the right knee. 1.76 - or belt 70 & 80 ale some fried Bacon & eggs Incoherent & rambling in his versation.

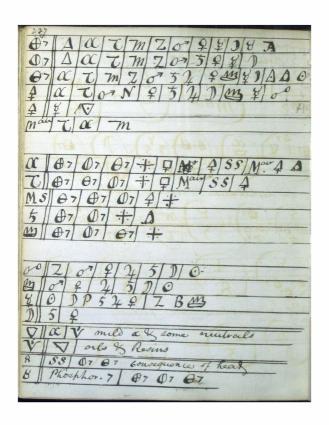
Glasgow John Mc Millan's Pordge gale Schillit 1791 - Examind Hex" Moodie . Ot 54 - about Is apparently healthy. above the right eye less dun colourd small spots. Near the bollom of the sternum a little to the left a wound full of blood. It was I's inch long & luch broad admitted a hole I makes. no other external sign of violence We spend the chest by raising the elen num. a great q'y of blood & water ysued out. We found that the wound enterd The hericardium; hierard thro' the heart Iself near it's hoint, & hafeing out at the poster son hart of the herican dium lermenated in the lungs wh lay behind the heart. - It's depth was & or 8 mches . - Instant Death

Mr Headericks moporals for improving the manufacture of Salt. Shimney higher - Soot be prevented from falling into the boilers Feller dy Moths or strainers as the reservoir & at the bottom of the Great improvement - Double - han 1st as at mesent - boiler - sal? solution discharged from this into a reservoir from whence pumper wh into a refining fram. This places 10 or 12 feet above the boiler receives the seam. heat - fee from agilation - Consequence - regular crys. Malleration- lep gypsum & mag " sa.

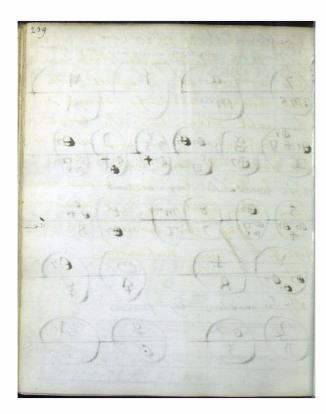
lita - Grust laken off by a work. man - skimmed salt - like blown salt blown salt is that with the wind. blows from the surface of honds in shout! Evapor for bay salt . _ The may be carried this the Nove house - daying - Iron plate apparatus beth the boiler & ref.9 1st Moveable windows to regulate the gir of steam - any degree of heat - from 96 to 2/2_ 2 by Tubes to convey the water -These are connected is? an awning like venetian blinds wh Insperly suspended over the boiler transmit

The steam but prevent the return of the water. This the soln in the boiler becomes saturated. Thus may be crystallised a hime luring - Dutch lay the herrings in hickle apoon as caught, ours often some hours. Consequence the blood putrefies - black -Dutch hurify their bay salt hee small for brine. large for a corps de reserve. air tight ban Great obstruction - Pax. on falt & on Fuel - Sime cheaper from reland -Tax on exported coals less than on Those carried coast - wese -!!





Double Elections attractions get Those in mixture - watery 2. In destillation - agure heat 17 mux lure fusion



Glasgow June 21. 1792 hast 3 oflock John Hart Black smith Mite law's flop working at a small lock felt himself suid dealy struck on The right collar bone. He became eich & fainlish & his arm seemed to be broken. he noise was heard; no None found, a boy mesent saw some Thing like lightening & it round very hand. Was this moderned by clean :tructy? - very surprising -

Ext. of a letter from I trawford to M. M Lain. Febry 20. 92 By comparing the capacity of ice with that of ail of Turpentine In the common way & by comp? the capy of water of that of the same fluid, it appears that The capy of water is to that of we as 10 to 7 nearly (not very certain) From This it follows that the cahacity of ail of Turpentine or of use varies, or that In Javene's opinion respecting the absolute zero is not well founded, he cause we have a diff result for the lowest hoint by mixing al of vehicl & water logethen. It is not probable that the capy of oil of Kurpentine varies, because the capacity of ice appears nearly the same when Immediately compared with that of water, by mixing hot water with ere reduced to hero, & making allowance

for the heat absorbed by the melling 242ce It occurred to my againstant Myourch showh that the capacity of we might be determined by mixing together oil of Velnol & ice. This appeared well founded: for oil of Vibrol & ice in whan proportions will produce much heat; in other proportions intense cold, I hence there is a limit believeen these extremes wh will moduce neither heart nor cold. Having found this limit, it will follow that the sum of the abso lute heals of the oil of vibriol & ice before the mixture is equal to the sum of their heals after the mixture. If there fore we find the absolute heat of ol vets & likewise that of the mixture, & subbract The former from the latter, the remainder will give us the absolute heat of the ice by means of wh the capacity can readily be found. how when the Expt is

made in this way, it appears that the capacity of west is to that of water nearly as 9.1 to 10, at least we think so at present, but the Exhts are not finishs. That the capacity of use vanes is exhemely probable, because if we take the motorhous of oil of Vilnol & See w. at 32 will hodere neither heat non cold, & my them at sero much heat will be produced.

Mys Nelson 25 years Cabound under hysterich symptoms. The was so imlable that the smallest noise affects her, bring ing on fainling; difficult breathing of; the often hants , & something works from her belly to her stomach. The feels hain a. cross her belly from the right Heum to the left Myhochond", a general uneasines, want of appetite & elech, swellings of her stomach, thist, scarly wine, high. colourd, made wt difficulty. The has a while discharge from 4. vacina, since the menses slopped about 2 years ago: Pain in the small of back - P. about 92 & full Tonque clean . . a degree of delerun at right. Jany 5th 1988. Jan y Mth. Died Opend by Mr Hamilton

a some hards the Intertines were con etruled, in others distended, & from the distension, slightly inflamed. . The stomach much distended. The facum so long that it lay across the root of the mesentery & reached to the right side. It was much destended & caused the hain acrop her body. he obstruction but from sharm. The ideres small with a schen · rous lumour in it. Coaria & Tubes much des lend & wt blood in their veins no other disease in the abdomen. In the chest, general athesions, but of an old date. Heart sound. No wa ler in any of the cavities.

Mys Robertson In 1779 began to feel have I uneasines about the head of the sacrum It contined her, & increasing gradually he venter her from esting up more than 5 mi. nutes at once. Blisters, Lecches & Campho. -rated oil were applied; the last was of some use for a short time. after 2 years in this state she went to Bournt is land where she grew so much worse that for a formucht she were not able to rise & say attempts to ut up brought on the hair in her back. It was herhaps 4 or 5 days after using any feedom, before she felt the unea sineps, but it's severily was increased in high to the length of the interval. It Prowe being consulted gave her Land anum, strong food & drink, & hurt her much. - Maller gave her Back & Lima.

Thera ferre which removed the stomach complaints brought on by Ir young, but had no effect on the back! Electrical, was wed without effect. - Her Brother but a selow in her back but if was so painful that it was removed. He next applies Polisters. When applied to the hains hast who was exactly an the middle at the head of the sacrum, there required at fust 3, & afterwards 2 days to rise; whereas on the harts immediately conti quous they rose in 12 hours. The found Them of ilse. In 1785 The was brought to far Tourse in a letter, shell unable to set wh more than 10 minutes in 48 hours. While at Burnholand she had heed & we it affected her mouth & continued it for some line but without effect. The hair in her back was of a dull

uneary kins, the sometimes sharp & fait ing. It was attended with a sense of weaveness in the back, & sometimes ho duced hysteric fits. In this state It Henderson saw her & gave her hells & linement. Ry G. Genai 316 Ry ling Celvin Lamphor 36 Luccini At-Calomel 9th VI. At opt. dw. in hel XXIV Sig. One to be taken every other night during the 2. week Touble the Tose. Refore the gave whe the hills she look 4 at once. Their only sensible effect was a hain in her Momach like a cho. : lick, which the I said he wished to hap - pen as it showd the hair was begin ming ton move. He advised her at that

There to get up & use as much exercise as she could . This she did . I found she could do it without inconvenience. When she applied the Linement, the felt the sensation return into hen back wt a kind of creeking, & at last the uneasiness went away almost com . pleatly . - While confined to led she ale & stept well & never lost her flesh . In a month she has been at Blankyre waters & rives about . _

a man in Helpatrick drank libists of whiskey & died. He became in slanlly delirious, his eyes red & inflag On defection, his stomach was strong. by contracted at the faidca & by lones, is inner surface inflamed & bare of mucus I. Thorburn remarks with regard No apoplexy that Emelies are to be used only as Sumulants. Yomeling is not huttel as appears from the chon laneous comel of which is so very freg. Sometimes even the most acred will produce no effect, without an ans. : obyne. Under Digregory an ahoplechie woman got 3/s of white vietricol, wh had no effect. hext day, by desire of

a foreign Shed. she got go XL of L2 & in an hour Dil of Thecacuan wh operated. Next day omelling the Land. he gave III. of Thecacuan 3ce in hour but without effect. In apopleyy from Ischurea reno his or Dropsy translated to the head, The disease may be prevented by of enes on the helad, & by slight salivating a Child wt hydrocephallus measured round the head 3 feet - Ear to Ear 2. 2 from eye brow to occupital come T. 101 from frontal to occepital bone 1.2. from one lempl bone to cent 1. 2 Between the handlad bones - ? Length of Gody Commerce of breast 1. 2 The head contained 4 hents & 3 mulch kens of walls!!

a woman midelle aged had a swelling over the abor with much hardness & let. le fluctuation. - The was regular, but at first thought herself ist child on feeling the himour of thought of feelt different harts of a fatus. Fluctuation having become more perceptible, the was tapped to a 9 y of fluid drawn of The afterwards died & on defection The whole external surface of y? Omentum athered to the herdonoum with lines The harreles of y? abd. The omentum deelt much thickend & containing about the middle of y? forehart a great gy of vesicles from the size of a nut to that of a hear mostly filled wt a clear flies

The under surface of the her clonecum athered in its whole extent to a large humour which fills great hart of ge abot. & hart of the helvis. It seems not to athere to any other viscus. It reemed composed of two deft sacks; on superior & considerably larger than the o ther occupying the cavely of you about; the other inferior & smaller, lying most by within the helois. The said seemed to communicate & contained a greenish yellow this fluid amounting to about to's scotch hents among wh floated a considerable of of while fibrous floculi, hobably w. aquelable lymph. The aides of these two comme necating sais varied much in shick.

-nep from that of a thin membrane to 2 or 3 inches. The outside was moderalely smooth, of a purplish red colour hainled with ramifications of red blood - vefsels. The inside wers very rough & unequal having on it's surface luberclas & clus. less of tubercles of various sixes & co. lours, red, while & purple. on the in ner surface of the lower sac, for a considerable extent these lubercles contained substances like inspular frag ments of bone, difft in size & shake The aleres & last ovarium were no heral; the right was not found, having degenerated into this morbed maps The sold map was about 10 let weight all other vesceroe natural.

a Child in hosping cough got i g of has lar Emche in a little Connamon waite It comited croteally & died suddealy. It's Momach was found laceraled for the breath of 2 fingers. . Rotheram

134 Opelehry - Blood Indehhalus ysuperal Gangranow 140 assenich - Effects 141 Juanum Dropay hoplex4 seus bladden & mostate 144 Brienhum &r. Thurrous 221 Disphagia a termore 147 Colon Grangulated 223 gonpaniles, Unina, out 149 wans on hubiched fluid - 6 Ineprio, Paralysis; bilis & 199 St Bornards well - 4 Lychhagia lochimous 15th M. M. Achell Whow fall 230 Merchis (from Blow) 155 Thorous Caidia Vireased Lings & heart 158 Mm Gelf ellan Vos Heart hierced go Is Lever Milk or a Child's breast - 8 Hedrick on Salt Cure for Surphula - 9 Chemical Characters The Jop (Iron in Thorax) 170 Shoke on Hart - 8 frawford to M Lean Captured Sleum -gon Capacities 241 Buth of 4 Children 181 Mil Noilson Hychena I. H. Diseased Lungs W. Muin alex Lever -3 Mils Coberts on lecepts from Gullen 4. 189 Apoplexy 7312 Hy dro cephalus Escula semmales-uses? -4 Ovarum feelus Gdedhobia - Depection and upatio & finanche Ma Do Stomach Laceraled by Einstick

